



ROCK TALK

White Mountain Gem & Mineral Club
Member of RMFMS and AFMS
Volume 14 Issue 4 April 2011
whitemountain-azrockclub.org

Elected Officers

President Nanz Marshall
(928) 537-2524
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)

Open
Web Master Ron Ginn
wginn3@gmail.com
480-294-0731

President's Message

ASK NOT WHAT YOUR CLUB CAN DO FOR YOU; ASK WHAT YOU CAN DO FOR YOUR CLUB.

Right now is the perfect time to do something. It is Spring when all things thrive, including your club, but only because YOU step up and get something done. What will it be?

Maybe you just want to get outdoors. Great! Share where you went and what you found; we'd all love to know. Even if you don't know what caught your eye and you picked up, who cares? Just bring it to the next meeting and somebody will guess and if it sounds good, keep the ID, if not at least you showed everyone that you were OUT THERE.

Keep safe while you're following the rules.

Let's ROCK !

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.

Minutes of General Meeting
White Mountain Gem & Mineral Club
April 5, 2011al

Vice President David Bingell called the meeting to order at 6:30 p.m. There were 19 members present and three guests (Robert Orr from Michigan and Karen & Ken Jones from Salinas Valley, California. There not being a quorum present no voting would take place.

David made the announcement that although President Nanz Marshall had resigned, the resignation was not in writing and therefore not official. David turned the gavel over to Nanz who announced that she would retain the presidency until the end of the year.

Nanz called for announcements: Eunice McQuiston said that she had seen Pat Robinson and she was doing well. David announced that the Galineau family had moved their jewelry business to Phoenix from Payson and that Mr. Galineau was doing fine after his heart transplant.

Nanz announced that she still had raffle tickets for the crocheted afghan Larry Legge's sister had donated for the club's benefit. The afghan was on display at the meeting. Nanz called for other officer reports.

David showed the new video camera he purchased according to the budget and passed it on to Ron Ginn for use with the website. The camera will be available to members leading field trips or attending other club shows. David announced he had reconsidered the idea of the club having a scholarship program and decided it would be less pressure on the members to simply donate to the American Federation of Mineralogy Societies Scholarship Program through the Rocky Mountain Federation. He would call the parties in charge and ask if we can request the scholarship be awarded to an Arizona student. David announced his educational program would be on earthquakes.

Larry Legge gave the Treasurer's report for March and stated the voting on the budget for 2011 would be delayed until we had a quorum present at the general meeting. Nanz stated there would be a board meeting to revisit the requirements for a quorum. Secretary Tonie MonDragon stated that due to the Bylaw requirements the quorum change could not occur until June because of the need to publish changes and vote on them.

The Editor, Charlene Bingell, stated there were some technical difficulties with printing the newsletter due to her new software and requested members to submit articles for the monthly newsletter.

Secretary, Tonie MonDragon offered to help Nanz out by taking over the claims' filing requirement and the highway clean-up arrangements. The next highway clean-up is scheduled for May 14th with the volunteers meeting at Big K's parking lot at 8:45 am to leave by caravan to our mile at 9:00 am.

Eunice McQuiston reported that there is a field trip to the Dobel Ranch on April 23rd, with the group meeting at 9:30 am at Jim Gray's store. Eunice asked for a volunteer to lead a field trip to Diamond Point in May, but there were not volunteers for this task. Eunice suggested members make their reservations in Magdalena for the September overnight trip.

Nanz thanked Larry, Gary Amator, David and Charlene for their special help on the March field trip to Hewitt Canyon and Gary showed samples of the marble collected.

On behalf of the Librarian, Emie, Nanz reminded members to renew their Rock & Gem subscriptions through Emie so the club would get a stipend back from the publisher.

Nanz asked for volunteers to visit the Chambers of Commerce to provide flyers on the Club. Eunice will take care of Snowflake, David will take care of Pinetop/Lakeside, and Tonie will take care of Show Low.

Under New Business Nanz suggested we change the Bylaws to make a quorum of 2/3 of members present, but the board would discuss this and make their recommendations at the next meeting.

Nanz also announced the Nature Conservatory Festival is looking for participants for their event in Pinetop.

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 earthquakes following on the recent events in New Zealand and Japan.

The prize drawings were next. Bill Stalder won the 50/50 for \$10.50 and the galena specimen with Mary Anne Moseley winning the fluorite specimen.

The meeting adjourned at 7:55 p.m. by motion by Stretch Embry and second by Brookie Embry, with the silent auction continuing for five more minutes after the meeting.

Respectfully submitted,
Tonie MonDragon, Secretary

Field Trip Report

On Saturday March 19th, nine happy members collected some beautiful stones, some of which was marble. The Hewett Canyon marble quarry had excellent weather all day. Thank you Gary Amator for setting up your E-Z up shelter. It really saved us all from the hot sun. I believe Gary and Bill Stalder were the hardest working collectors that day. They had some beauties in the back of their trucks. Thank you Larry for bringing my wheelchair (aka the two up ATV). It allowed me to get some nice pieces myself. At the meeting point, while we were waiting, there came a couple who lived part of the year in Show Low. Then David and Charlene came and SMALL WORLD the ladies worked together. All in all it was a great day! I'm sorry you missed it. I hope you at least got the chance to get out somewhere and enjoy the day. Keep rock hounding! Nanz

Field Trip News:

Field Trip - April 23rd, 2011 - DoBell Ranch - "A Step Back In Time"

MEET AT: Corner of Highway 77 and 180 - Jim Gray's Petrified Wood Store at the east end of the parking lot. (just south of Holbrook)

TIME: 9:30 am. We will leave at 9:45 and travel east on 180 to MM 319 where we will turn left at the next left turn. There is a "museum" sign at the turn-off.

VEHICLE: Any vehicle can make this trip. If you wish to drive into the digging area, a pickup would be better altho I have driven my Fordasaur.

WHAT YOU WILL FIND: Rainbow Petrified Wood/with a heavy scale crust. Ask Gordon how to remove most of this crust. Please stay within the fenced 40 acre boundary. Watch for snakes.

WHAT TO BRING: Usual tools, 5-gal buckets (or any size), chairs, lunch, water, hats for shade, drinking water, etc.

FEE DIG: Fill a 5-gal bucket and it will cost \$28. This averages out to about 34 cents a pound. You may collect by the piece also at a very reasonable price.

WEATHER: If threatening rain, or is raining, the trip will be canceled

VISIT: Gordon has created a museum in memory of his "grandpa DoBell"-be sure to tour it, see his store and, look thru his stash out back of his home that he will sell pieces from. When you are finished collecting, locate either Gordon or Tonya to pay your fee.

Any questions, call Eunice (928)536-7209

P.S. Any of you who are interested in antique vehicles are in for a treat. Also, it's Tonya's birthday.

Magdalena Minders

The "early reservation gets the room" at the Western Motel-(575) 854-2417- for the nights of September 23rd and 24th. Mention you are a member of the WMG&MC. This year we will be going to Rosedale, and old gold and silver mining ghost town, to explore and see what we can find.

The yearly field trip to Magdalena has always been fun. The unexpected is usually what to expect. Ask anyone who has been on previous trips.

More info to follow in the monthly newsletters to come.

You may call Eunice at (928)536-7209 for more info....or....since I work odd hours...you may call me and leave a message if I'm sleeping and I will get back to you as soon as I can.

Karen Stokes (928)229-0273
Trip Leader

Coalition Fieldtrip for Petrified Wood near Holbrook, Arizona

Hosted by: Sedona Gem & Mineral Club

What for: Petrified Wood

When: Wednesday April 20, 2011 - All Day

Where: Hosted by: Sedona Gem & Mineral Club

What for: Petrified Wood

When: Wednesday April 20, 2011 - All Day

Where: We will meet at 9:30 AM at Exit 303 (Adamana) which is about 15 miles east of Holbrook on I-40. There is plenty of room along the frontage road on the south side of the interchange. It is not very far to the ranch, but there are some sandy washes to cross, so everyone should be in a high-clearance (4WD would be even better) vehicle. Passenger cars will not make it safely. There are always plenty of spaces in other vehicles to share a ride in. I can suggest a safe place to leave your vehicle while we are at the ranch (until 3:00 PM).

What Will We Find?: You are the guest of the owner of the 160 acre ranch. He is an interesting person who has lived here alone for 22 years. His ranch borders on a portion of the Petrified National Park and features the same variety and quality of wood as you would find in the Park. He has also excavated an Indian ruin near where he lives. Boulders on the small butte near his home are covered with petroglyphs featuring animals, Kokopelli figures, sun spirals, etc. You are welcome to photograph whatever you want. Please do not collect Indian artifacts or pottery. He has numerous samples he will show you if you ask.

Fee: He has sold some of his wood to dealers to help support himself, but only on a very limited basis. He does not harvest the wood with any equipment other than small hand tools, even though he has huge logs weighing tons and measuring many feet in length.

The Fees: \$5/person plus \$2/lb for any wood you collect. Bring cash - no checks or credit cards. His wood is as colorful as any you will see anywhere. You can surface collect on his ranch (light digging allowed) and he will also let you choose from piles he has accumulated around his house.

What to Bring : Small trowel and rock picks, but please do not hammer on any wood. Bring water, lunch, light shirt or jacket for sun protection.

Bad Weather : In case of rain or snow in the Holbrook area on April 19th or 20th, the trip will be canceled. Please pay attention to Internet weather sites or local radio or TV.

Fieldtrip Leader : Rita Topp 928-284-1570

Education Presentation: EARTHQUAKES by David Bingell

There are four main types of faults that can create the type of damage we've seen in Haiti, Christchurch and Japan this past year. There were three other smaller, but somewhat related earthquakes as well.

There are "normal," "thrust (reverse thrust)," "subduction" and "strike slip" earthquakes. Normal is when one side of the fault falls. This is a common type of earthquake, that when the energy is released it generally does not demonstrate the type of damage seen this past year.

The Thrust or Reverse Thrust is when one side of the fault raises, and again, it's not as damaging as what was seen in the earthquakes this past year. This type of earthquake can have many more equally damaging aftershocks, depending upon how far up the Thrust has yet to go, and also can be associated with the Normal earthquake, because of any void in the earth from under the Thrust may be filled with incoming material.

The Strike Slip earthquake is when one side of the fault moves in one direction, let's say north, and the other side of the fault moves south. This can be absolutely catastrophic and the worst of all scenarios because it can move both forwards and backwards before it finally slips north and south.

Subduction earthquakes occur at the continental plate boundaries. The "Ring of Fire" is the most notable segments of continental plates being subducted, which is why so many countries can have such damaging earthquakes. One continental plate is moving under another. This can cause crumpling (the Rocky Mountains are a result of the Pacific Plate subducting under the North American Plate), it can release tremendous energy for miles on the surface and under the surface, like in the Alaskan earthquake, and it can create huge tsunamis, like the one just seen in Japan.

Moment Magnitude Scale 1 – 10, and grows exponentially by 30. Dr. Kanamare devised this scale since the original Richter Scale couldn't accurately account for earthquakes over 8.5.

So, this means that for each point one moves up from the previous point, 30 times more energy is released. For example, if a single quarter were to equal the potential energy of a category 1 earthquake, then a 2.0 earthquake will be 31 times more powerful (31 quarters). A category 3.0 earthquake will be 1,000 quarters, and a 4.0 earthquake will be 31,000 quarters (175 feet-high stack of quarters).

1.0 = 1

2.0 = 31

3.0 = 1,000

4.0 = 31,000 or 175 feet-high stack of quarters

5.0 = 1 million quarters, or a one mile-high stack

6.0 = 31 mile-high stack of quarters

7.0 = 1,000 mile-high stack of quarters

8.0 = 31 billion quarters

9.0 = 1 million mile-high stack of quarters

10.0 = 31 trillion miles of quarters, which if stacked, will extend past the orbit of Mars

Some Earthquake facts:

Earthquakes move at 6 to 7,000 miles per hour.

5 of the 10 largest quakes have occurred in the United States- 4 in the Pacific Northwest.

In the last 7 days (before this presentation) there were 286 quakes worldwide and 182 of these were in the U.S (they only report the earthquake if it is over 4.5 in magnitude)

Yesterday (April 4) 60 earthquakes were reported and today so far (April 5) 17

For more information look to the US Geological Survey- our earth is ever changing wonderful place!

Pictures from Hewett Canyon Marble Quarry





Board Meeting

Sunday April 30

**Toni Mondragon's
home**

Noon

Highway clean-up

May 14th

**Big K's parking lot at 8:45
am**

**leave by caravan to our mile
at 9:00 am.**

Continued – United States Minerals/Rocks or Stones and Gemstones by States:

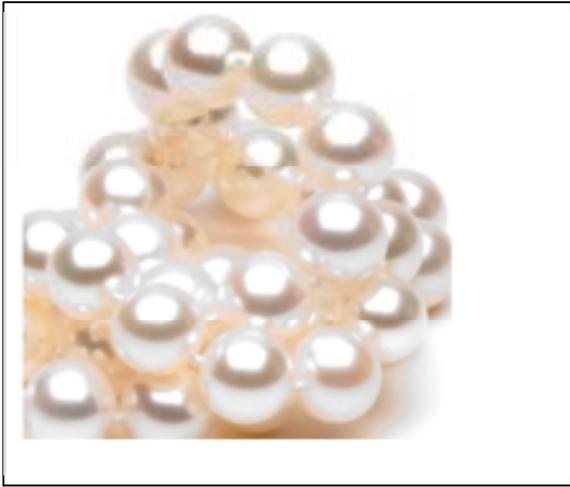


Iowa - Geode

Kansas- Lime stone (sorry- no picture)



Kentucky Agate



Kentucky- fresh water pearls



Louisiana- Agate



Maine – Tormaline



Maine – Patuxent River Stone Agate

http://en.wikipedia.org/wiki/List_of_U.S._state_minerals,_rocks,_stones_and_gemstones

Next Meeting: Mark your calendars: Our meetings are always the first Tuesday of the Month- Next month will be **May 3, 2011** - 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.

Website Info:

whitemountain-azrockclub.org

White Mountain Gem & Mineral Club
P.O. Box 3504
Show Low, AZ 85902-3504

Member:
Rocky Mountain Federation
Of Mineralogical Societies



American Federation of
Mineralogical Societies

