



ROCK TALK

White Mountain Gem & Mineral Club
Member of RMFMS and AFMS
Volume 14 Issue 6 June 2011
whitemountain-azrockclub.org

Elected Officers

President Nanz Marshall
(928) 537-2524
Vice President Open
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

It is truly a sad and horrible time for all in Arizona right now. My prayers go out to everyone touched by this disaster, and there are many. June has always been the fire danger month. You would think folks could follow the prevention rules. Please be safe out there!

As far as collecting goes-it may end up being a lean year. So many fires and closed areas. We'll just keep our eyes and ears open for anything that comes our way. Maybe when the rain starts things will again open up.

Thanks to everyone who mailed in their vote. We now can get some business done each month. Yeah!

Happy Summer! I hope to see you at the Park June 25th. See details inside.

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
June 7, 2011**

President Nanz Marshall called the meeting to order at 6:28 p.m. There were 20 members present and 5 guests, Jimbo and Sandy Jacobs, Grace and Tom Pennells and Stu Wahls.

For the first order of business Nanz addressed the board's recommended amendment to the Bylaws to reduce the number of votes for a quorum. Nanz had received several mail in votes in favor of the motion to amend the Bylaws. Nanz called for a vote on the pending motion that the quorum be reduced to 11 members in good standing and a motion would be passed by a simple majority. The motion passed unanimously by the voted represented in person and by mail.

The meeting now having a quorum, a motion was made by Eunice McQuiston and seconded by Karen Stokes that the minutes of January through May be approved. There were no correction or additions to the May minutes and by vote, they were all approved by a majority.

Next Nanz called for Board reports: Tonie MonDragon reported on the Highway Cleanup she led on May 14 and thanked Ruth, Brookie, Eunice, Fred, Nanz, Larry, Rick and Bill for participating. The next cleanup will be in September or October.

Nanz announced that the Prescott Gem and Mineral Show will be held July 29-31 and the Rocky Mountain Federation would have their annual meeting in Colorado Springs on June 25th. Nanz also passed around the latest Rock & Gem magazine stating that the subscriptions for the local libraries had been ordered.

Bill Stalder reported on the May field trip to Diamond Point that was attended by nine members and passed around pictures and indicated specimens found that were on the display table. Bill said they found 2 rattlers and some interesting rocks and crystals. Bill also explained how the silent auction worked for the new people and visitors.

Nanz announced that this month's fieldtrip to the claims had been postponed due to the Wallow Fire and Apache National Forest Emergency Closure Order. Tonie will inquire about a waiver of our \$700 assessment fee for the claims because we are unable to access the area to perform maintenance (which reduces our fees to \$70). Instead, Nanz said our June 25 field trip would be to Show Low City Park for a pot luck picnic, demonstrations and rock exchange. She and Larry will get there early to secure and would have a generator if any one needed electricity.

Eunice was preparing baby back ribs for the group but all pot luck items were invited. Plan to arrive by 10 a.m.

Next Nanz called for a motion on approval of the 2011 Budget that had been presented at an earlier meeting and published. Upon motion by Tonie and second by Karen a vote was held and approved by the majority. Larry then made his May Treasurer's Report.

Nanz asked for volunteers to lead the August, October and November fieldtrips which have not been planned. Jimbo and Sandy Jacobs stated they planned to join the Club and would lead an overnight trip to the Wickenburg area (in November) where they knew several locations for collection. Several members indicated interest and a date will be announced later.

Nanz called for a break at 7:07 p.m. for Larry to set up the audio/video equipment for the educational program on What's Hot in Tucson 2009 featuring crystal specimens. The meeting resumed at 7:20 p.m. to watch the video that David and Charlene Bingell had purchased at the Tucson Show.

There being no further business, the door prize and raffle prizes were drawn. Maryann Mosley won the belt pickax holder door prize, Charlene won the \$15.50 (50/50) raffle, Stu Wahls won the Brazilian agate, Bill Stalder won a necklace and Larry Legge won the drawing for the afghan.

Upon motion by Ursula and second by Larry the meeting adjourned at 7:55 p.m. with the silent auction running another three minutes after the meeting.

Respectfully submitted,
Tonie MonDragon, Secretary

A short note from David Bingell:

Due to circumstances that I can't seem to avoid, life has recently become too hectic for me to continue on as Educator and Vice President for the Club. I resigned my position the second week of May with a formal letter to the President. I apologize for all problems this may cause the Club. There are just too many difficult issues to sort through and prioritize. Sincerely, David Bingell

Field Trip Report

Diamond Point Trip; Bill Stalder led a group of 9 to Diamond Point. See the pictures later in the email- thanks Eunice. By the looks of the pictures it was a beautiful day and fun was had by all that attended. Many wonderful crystal points were found and a few other specimens. It was a good trip, but it is time for snakes- 2 rattlesnakes were seen. Thankfully no one was hurt.

Field Trip News:

June Field Trip

On Saturday June 25th come to Show Low City Park around 10 am. It's going to be a fun get together! We'll pot luck and have bar-b-q. The Club will set up tables and shade. Larry said he'll have the generator available for crock pots and also a propane grill or two. Be sure to bring your own chair, beverage, and eating service along with your food contribution. If you want, there will be rocks to talk about and/or swap. No sales please- that is a whole other permit and headache. Come one and all, bring a friend. It should be a lovely day in the park. Nanz

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 July 2011

COALITION FIELD TRIP-sponsored by the WHITE MOUNTAIN GEM & MINERAL CLUB, Show Low, AZ

JULY 23, 2011

LOCATION: STEWART'S ROCK SHOP & OSTRICH FARM. Our host/owners are Charles and Gazell Stewart. Exit I-40 at 303. Shop is located on the north side of freeway 15 miles east of Holbrook, AZ

MEET AT: Rock Shop for the opportunity to explore 140 acres

TIME: 10:00 am

WHAT YOU WILL FIND: Petrified Wood and possible fossils. Watch for SNAKES!!

VEHICLE: Any vehicle will do

WEATHER: It will be hot!! If threatening rain or is raining, the trip will be canceled.

WHAT TO BRING: Lots of drinking water, hat (I'm hoping for a shade tent, also), wear good hiking boots, chairs, bag lunch, cash, and your usual rock hounding tools and containers.

TERRAIN: High desert-rolling hills. You will be able to wander over the Stewart's 140 acres which borders the Painted Desert/Petrified Wood National Park.

FEES: \$2.00 per person, 50 cents per pound for what you find out in the field, and at the end of the rock shop in fenced -in area, \$1.00 a pound.

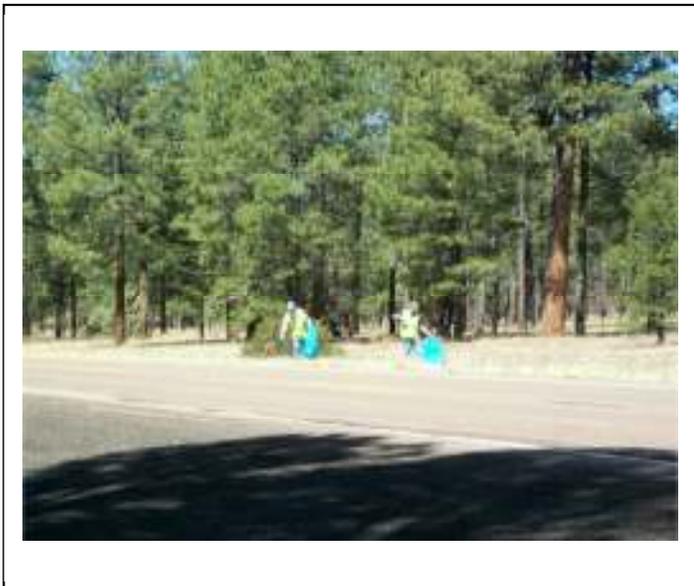
WAVIERS OF LIABILITY: Each person must sign the waiver.

RULES: No ATV's allowed. If you have pets (dogs), they must be kept on a leash and far away from the Ostriches.

Stewart's Rock Shop is a unique place. If able, visit their websites www.petrifiedwood.com
www.roadsideamerica.com/story/13649

Any questions, call me at (928)536-7209. Please wear your club name badge.

Eunice McQuiston





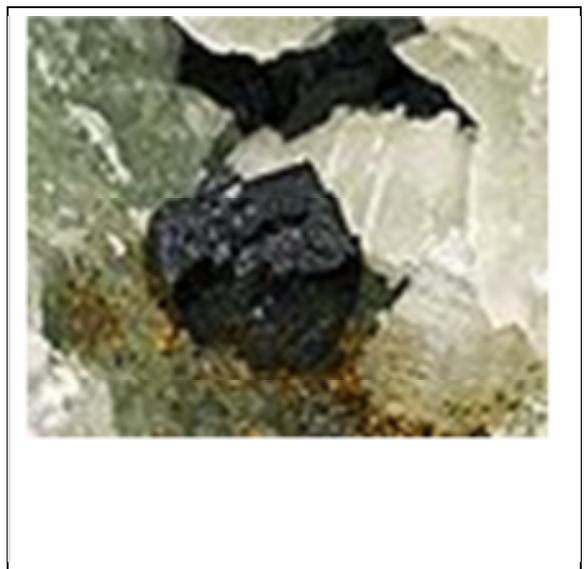
Pictures from Highway cleanup and field trip. Thanks Eunice!!

Next Meeting: Mark your calendars: Our meetings are always the first Tuesday of the Month- Next month will be **July 5, 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.

Continued; United States Minerals/Rocks or Stones and Gemstones by States



Patuxent River Stone Agate Maryland (this is a correction April newslttr that I had this in I stated Maine- oopps)



Babingtonite is a [calcium iron manganese inosilicate](#) mineral Massachusetts



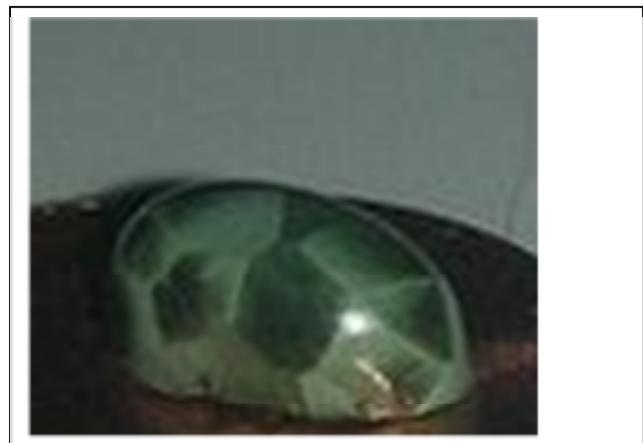
Roxbury Puddingstone Massachusetts



Rhodonite Massachusetts



Petoskey Stone Fossilized Coral Michigan



Chlorastrolite also known as Michigan Greenstone



Lake Superior Agate Minnesota



Petrified Wood Mississippi

Upcoming Shows in the Area:

June:

24-26—COLORADO SPRINGS, COLORADO: 3rd annual rock fair; Colorado Springs Mineralogical Society, Rocky Mountain Federation of Mineralogical Societies; Western Museum of Mining & Industry, 225 N. Gate Blvd., I-25 exit 156A; Fri. 9-4, Sat. 9-4, Sun. 9-3; adults \$5, children \$2; dealers, gems, minerals, jewelry, fossils, talks, gold panning demonstration, rock identification, Kids' Area, noncompetitive displays, silent auction, exhibitors, equipment demonstrations; contact Ronald Yamiolkoski, (719) 488-5526; e-mail: info@csms.us; Web site: www.csms.us

JULY 2011:

1-3—FARMINGTON, NEW MEXICO: Annual show; San Juan County Gem & Mineral Society; Farmington Civic Center, 200 W. Arrington St.; Fri. 10-6, Sat. 10-6, Sun. 10-5; free admission; silent auctions, prize drawings, raffle Sun.; contact Mickie Calvert, 5986 Hwy. 64, Farmington, NM 87401, (505) 632-8288; e-mail: mickie2@earthlink.net

16-17—FLAGSTAFF, ARIZONA: Show, "Flagstaff Jewelry, Gem, & Mineral Show"; Radisson Woodlands Hotel, 1175 W. Rte. 66; Sat. 10-5, Sun. 10-4; adults \$3, children under 12 free with adult; contact Sharon Szymanski, (480) 215-9101, or Val Latham, (602) 466-3060

29-31—PRESCOTT, ARIZONA: 8th annual show and sale; Embry Riddle Aeronautical University, 3700 Willow Creek Rd.; Fri. 9-5, Sat. 9-5, Sun. 9-4; adults \$2, children 12 and under free; contact Maggi Lieber, (520) 831-0017, e-mail: flullierox@hotmail.com; or Judy Sullins, (928) 445-1117, e-mail: sullinsjs@cableone.net; Web site: www.prescottgemmineral.org/shows.htm

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

**HARDNESS
SCALE**

The hardness of a stone is one of the properties that contribute to identification. Hardness is also an attribute which is important to be aware of, because it may determine what a stone may be used for (jewelry, carving, faceting, handling, storage, etc.) You may want to familiarize yourself with the Mohs Scale of Hardness. This will help you understand the relationships between stones according to their hardness.

The Mohs Scale of Hardness consists of 10 classifications, 1 being the softest, and 10 being the hardest. The only mineral that is an exception to this is mercury, which is liquid. To give you a few reference points, the diamond is of course the hardest, rated 10. Your fingernail is a 2, a pocket knife is about a 5-6, and a piece of glass is a 6-7. Each classification will scratch the one preceding it. As you know, a diamond (10) will scratch glass (6-7). This technique is commonly used in the field for initial identification, and it is good to have samples of some of these stones with you in order to perform the test. Some minerals have varying hardness according to the direction you may scratch them in, but typically this is either hardly detectable or an exception to the rule.

The following, is a partial listing of stones and their hardness classification:

1	Talc Graphite		Can be scratched with a fingernail and by any stone rated 2+
2	Gypsum Lepidolite	Bismuth Chlorite	Can be scratched with a fingernail and any stone rated 3+
3	Calcite Barite	Celestite	Can be scratched with a knife and any stone rated 4+
4	Flourite Platinum	Malachite	Can be scratched with a knife and any stone rated 5+. Will scratch any stone rated 3-.
5	Apatite Diopside		Can be scratched with a knife and any stone rated 6+. Will scratch any stone rated 4-
6	Feldspar Amazonite	Pyrite Hematite	Can be scratched with a knife and any stone rated 7+. Will scratch any stone rated 5-.
7	Quartz Tourmaline		Will scratch glass and any stone rated 6-. Can be scratched by stones 8+.
8	Topaz Spinel		Will scratch glass and any stone rated 7-. Can be scratched by stones 9-10.
9	Corundum (ruby, sapphire)		Will scratch glass and any stone rated 8-. Can be scratched by diamond.
10	Diamond		Will scratch glass and all stones 1-9

Here are the hardness ratings for some metals:

Silver.....2 1/2 - 3

Gold.....2 1/2 - 3

Copper.....2 1/2 - 3

Platinum...4 - 4 1/2

Iron.....4 - 5

<http://www.bestcrystals.com/hardness.html>

White Mountain Gem & Mineral Club
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Member:
Rocky Mountain Federation
Of Mineralogical Societies



American Federation of
Mineralogical Societies



Arizona Gemstones

Arizona is the second-place state for gemstone production. **Peridot** and **turquoise** are the leading gemstone products, however, notable amounts of **agate**, **jasper**, **petrified wood**, **garnet** and **opal** have been produced. Arizona has been a world leader in the production of gem quality peridot, mostly from the Peridot Mesa and Buell Park areas. Turquoise is Arizona's most important gemstone by value of production and Arizona turquoise is world famous in the market. Most of the turquoise is produced as a by-product of copper mining. Some of the turquoise is produced as a continuous mining effort and some is produced as it is uncovered during the mining cycle. Production is labor intensive because careful hand extraction is required. Arizona agates, jaspers and petrified wood are used to produce a very wide range of products which include tumbled stones, cabochons, polished pen and pencil set bases, clock faces, bookends, carvings, and more.

<http://geology.com/gemstones/natural-gemstones.shtml#Arizona>