



ROCK TALK

White Mountain Gem & Mineral Club

Member of RMFMS and AFMS

Volume 14 Issue 10 October 2010

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
Eunice McQuiston	(928) 536-7209
George Stokes	(928) 229-0328
Karen Stokes	(928) 229-0328

Volunteer Positions:

Show Chair	Larry Legge (928) 537-2524
Advertise & PR	Larry Legge (928) 537-2524
Librarian	Jan Pertruzzi (928) 368-4688
Door Prizes/50-50 Raffle	Kathleen Varhol
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 winn3@gmail.com 480-294-0731

President's Message

October 2010

Trick or Treat? I have no Doubt that Our Club is nothing but TREAT!!!!

We have members that give to the Club, and give to each other.

We come together to share rocks, beads, lapidary, knowledge, and just plain old GOOD FELLOWSHIP. Do we need ask for more? Well maybe we need not have all the legal stuff, huh?

I hope you get out there and enjoy all the Earth Science there is offered to you! I know Larry and I will. I will watch for you.

Rock on!

Nanz

BOARD MEETING

Oct. 24 at noon in the JB's restaurant the board will word an addendum to the by-laws to address the new position of "Membership Chair" and also establish limits to the "classified advertising" page of the website.

"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
October 5, 2010

President Nanz Marshall called the meeting to order at 6:35 p.m. There were 29 members present including new members, Gina and Jim and their son Timothy.

Approval of the August minutes at the September meeting was overlooked. Upon motion by David Bingell and seconded by Peggy the minutes of the August meeting and September meeting were unanimously approved as published.

Nanz called for announcements and officer reports. Sammie made the announcement that Curtis Kelley (a fluorescent fan) had married. Congratulations Curtis!!! Nanz made the announcement that Lynn Wheeler Baker was giving away her yard rock this week, and her contact information was given. Nanz also announced the Payson Show for October 9th and 10th and the University of New Mexico Symposium in Socorro is November 13th and 14th.

Vice President, David Bingell, reported some results from his survey and that the Scholarship committee would consist of Clete Hinton, Linda Stalder and Sandra Angelo. During the meeting David received more surveys and had gathered a quorum.

Treasurer, Larry Legge, gave his report.

Tonie and Charlene, Secretary and Editor, respectively, had no report.

The Magdalena field trip report is included later in this newsletter. Peggi inquired about the Coalition Trip which is our only trip this month. Ron reported that it was going to be to the Christopher Creek/Shark Creek area for zebra agate, peach agate and fossils. The date is Saturday, October 23rd and more information is contained in this newsletter.

Nanz reported that the Board met in Magdalena briefly to discuss the proposed new position of Membership Chair Person. This position would be responsible for membership forms, the roster and badges and would maintain a database of the membership. The Board recommended the position and Nanz called for a motion. Upon motion by Sumner and second by Sammie, the vote was unanimously in favor with one abstention. The motion was passed. Ron Ginn has volunteered to fill this position and his name is on the ballot.

Webmaster, Ron Ginn, then provided a demonstration via his computer and projector screen of the new website for the club and the new database he was building of our membership information. The information is not being published on the web but is maintained so that the roster and labels and possibly reports can be generated from the contents.

Nanz announced there would be a Board meeting later in October to discuss aspects of the data base and website and to amend the Bylaws to include the position of Membership Chair Person, and any other business to come before the Board. A Board meeting is scheduled for Sunday, October 24th at noon at JB's Restaurant.

Nanz announced that Elections are at the November meeting and we need volunteers for the positions of Show Chairman, Librarian and Field Trip Chairman. The ballot will be published in this newsletter and absentee votes are accepted in timely mailed and signed.

We then took a 10 minute break to resumed at 7:41 p.m.

David made his educational presentation on an item he purchased on eBay. It is a mini portable photo studio for taking pictures of small items such as your mineral collection or jewelry collection. The kit is made by Digital Solutions and consisted of a three sided white screen about 12" x 12" with two spotlights, a tripod for your camera and a color back drop. David demonstrated the set up and circulated pictures he had taken.

Prizes were then drawn. The door prize was won by Jeremy. The 50/50 amount of \$9 was won by Charlene Bingell, David won the belt buckle, and Nanz won the agate specimen with stand.

Gina made a motion to adjourn, seconded by Sammie, and the motion was unanimously approved with the meeting ending at 7:55 p.m. The Silent Auction ended 3 minutes later.

Respectfully submitted,
Tonie MonDragon, Secretary

Board Meeting Minutes
September 24, 2010
Magdalena, NM

Meeting was called to order by Nanz at 6:15 Pm. Attendees were Nanz, Larry, Bill and Linda, Eunice, Charlene and David, and Ursula Wilson. We discussed the proposal from Ron Ginn for the write in position on the ballet for a Membership Chairperson in which he was willing to fill. We discussed the items in his proposal. The changes discussed were on the items listed. On item number 4 we discussed that for our club we only wanted the minimal information maintained such as name, address phone number and email. Other issues were discussed such as security of personal information, and having a back up person who would be willing to handle this position should Ron be unable to perform his duties for any reason. Karen Stokes is willing to fulfill the back up position if it would be needed. She is willing to learn the database to perform the duties. On item number 5, Ron would not be sending out the newsletter. The printing and sending the newsletter would be continued by Nanz and Larry with Charlene printing out the labels for them. On item number 6 we wanted to add that a hard copy of the roster be provided to the president as needed. We would also like to add item number 8 – Backup training be provided to another volunteer. Also it was discussed that changes will need to be made to the Bylaws to include the Membership Chairperson. We voted and agreed to accept the proposal with changes to Number 4 as listed above and adding number 8 listed above. This was approved by Karen and seconded by Ursula.

Next Meeting

Mark your calendars: Our meetings are always the first Tuesday of the Month- Next month will be **November 2, 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

Birthdays

Happy Birthday October and November babies! Harvest Season time to celebrate the good things we have been given -CELEBRATE!

October

Edie Christie – 6
Jan Pertruzzi -10
George Stokes-20
Laura Lefew - 2

November

Gaylord Hayes – 23
Kathleen Heitzman - 21

FIELD TRIPS

Field Trip - October 23, 2010

Since the Coalition of Rock Clubs trip falls on our normal trip date, we will plan a trip to the Zebra

Agate, Fossils, and Peach Agate location.

Travel Hwy 260 towards Payson to the "Sharp Creek Campground" turn-off. Turn left and return towards Show Low for one mile. Make a right-hand turn.

Meet at this turn-off at 9:00 and wait for remaining group of rockhounds coming from Payson.

This trip is sponsored by the Apache Junction Rock Club and will be led by Harry Warren. Help support the coalition by going on this trip. There is lots to find. For further info, read the "Coalition Field Trip" info in newsletter.

Thanks, Eunice

Trip Report-Magdalena, NM September 24 and 25, 2010

Most members arrived by 1:00 (total making the trip, 13). A trip to the Kelly Mine produced a few tiny pieces of Smithsonite and some really awesome pictures. Digital cameras are really great.

All gathered for dinner at the Magdalena Cafe and as usual, good food and lots of laughs. A short board meeting was held afterward to discuss Ron Ginn's proposal and then after dark, those with UV lights went looking for "glowrocks". Gary A. held the universe in the palm of his hand after finding a spectacular rock with perfectly round white dots, all different sizes, that looked like stars.

Saturday, the 25th, our plans changed and after finding a guides-Reuben Otero and his friend Josh, the rockhounds headed up the Riley Ghost Town road to three collecting sites. Six out of the 13 had not been to these sites. Septarian Nodules came in all sizes from tiny to "I can't possibly carry this" size. Selenite Blades from the side of a mountain that David and Charlene B. said would have been better if the "elevator had been working" and Karen S. said "I can't believe I climbed that mountain. Kathy A. was really proud that she did indeed climb the mountain. Larry L. won the prize for the biggest piece brought down. I did not hear much about the aragonite site but know that some came back with

nice specimens. Nanz said that if we had had a more perfect day, it would have had to have been two. Linda S. said she enjoyed the guides. They were awesome. Larry said that he absolutely felt like a "kid in a candy store with a whole dollar" and would do the trip again and again. Kathy H. had a wonderful time hauling selenite down the hill, nodules up the creek, and aragonite across the slopes. Ursula W. found ammonite pieces that she was excited about as she wondered where "big daddy" was. Marilyn R. had a big smile on her face as everyone returned to the motel.

Saturday evening we all met for dinner at a recently opened restaurant at the High Country Lodge. Our choices were prime rib, mahi mahi, or hamburger. Full again! A drawing was held for a small piece of Smithsonite (won by Kathleen H) and smaller pieces were given to each of the other members. Back at the motel, the Jents provided desserts and drinks. The party was on! My last audible sound before falling asleep, was of Linda S. laughing.

Sunday morning came all too soon. Packed and ready to go-six of us, that I know of, stopped at the VLA and walked around. I wonder what kind of messages they receive from outer space. From right here on earth, my message is "thanks everyone for making this a wonderful trip". Special thanks to James and Damaris Jents for all that they did for us. Eunice



Dinner at Magdalena Café – pictures submitted by Eunice, Eunice was here too!



Dinner at the Country Lodge submitted by Eunice- Eunice was here too!



VOLUNTEER WANTED - Field Trips – 2010

WANTED: Someone to assume the title and responsibilities of the "Field Trip Chairperson"

Highway Cleanup

HWY CLEANUP

On 9-11 (and I didn't even connect the dots until hours after-DUH) nine wonderful members spent an hour contributing not only to their Club, but also to the great place we represent. Thank you Tonie, Eunice, Bill, Edie, Sumner, Ruth, Brookie, and Larry.

There was a cell phone found and another found the charger. The ink bottle and round shell seeds were interesting finds. Our two newbies were the self

proclaimed "Queens of Garbage". They actually filled a bag. We do this twice a year and it takes a short time. Some think it's just for the free advertising on the sign, but really it's for US **DOING THE RIGHT THING**. We will do it again next May, so think about joining in and having a good time, who knows what you might pick up?

Nanz



Picture submitted by Eunice- Eunice attended too!

Halloween Party

You have been invited by Vulture Mine Preservation & Restoration Assn to Vulture Mine Halloween BBQ & Tour 10/31/10.

Get in the spirit of things - have fun and help save the 1863 Vulture Gold Mine and Vulture City.
3-4 PM Interpretive tour of Vulture Mine
4-5 PM Entertaining stories of old Arizona by Marshall Trimble, AZ's Historian
5-6:30 PM Scumptious western-style BBQ dinner and live music by Meighan Click & Sergio Horcos
6:30 PM haunted walk to the ruins of Henry Wickenburg's house, the Hanging Tree, Assay

Building and other ghostly sites
Raffles and silent auction throughout the evening

\$45 prepaid, \$50 cash at the door. Order on line at
www.savevulturemine.org

Reservations required. Call 928-232-9125 or email:
savevulturemine@aol.com for reservations or more
information.

Proceeds benefit the Vulture Mine Preservation and
Restoration Association, an IRS 501 (c)3 non-profit
organization formed to preserve and restore Henry
Wickenburg's 1863 Vulture
Gold Mine.

www.savevulturemine.org

Details:

Date: October 31st, 2010 - 3pm

Location: Vulture Gold Mine
Address: Vulture Mine Rd., 12 miles S of
Wickenburg on Vulture Mine Rd. between milepost
15 & 14

Rock and Gem Shows

October

16-17--SEDONA, ARIZONA: Show; Sedona Gem &
Mineral Club; Sedona Red Rock High School Cafeteria,
995 Upper Red Rock Loop Rd.; Sat. 10-5, Sun. 10-4;
free admission; guest speakers, slide shows, Kids'
Corner, displays, demonstrations, raffle, gemstones,
minerals, crystals, fossils, beads, jewelry; contact Gayle
Macklin, P.O. Box 3932, Sedona, AZ 86340, (928) 399-
9588; e-mail: gayleis@gmail.com

27--SANDY, UTAH: Show, "Rings & Things
BeadTour"; Rings & Things; Salt Lake City Community
College - Miller Campus, Karen Gail Miller Conference
Center (Deercreek, Lone Peak, Copper, Rose,
Cottonwood and Wasatch rooms), 9750 South 300 West;
Wed. 12-4; free admission; gemstones, bead strands,

wholesale prices, findings, stringing supplies; contact
Dave Robertson, (800) 366-2156; e-mail:
drobertson@rings-things.com; Web site: www.rings-things.com

29--HENDERSON (LAS VEGAS), NEVADA: Show,
"Rings & Things BeadTour"; Rings & Things;
Henderson Convention Center (Ballroom A/B), 200 S.
Water St.; Fri. 12-4; free admission; gemstones, bead
strands, wholesale prices, findings, stringing supplies;
contact Dave Robertson, (800) 366-2156; e-mail:
drobertson@rings-things.com; Web site:
<http://www.rings-things.com>

31--SCOTTSDALE, ARIZONA: Show: "Rings &
Things BeadTour"; Rings & Things; Chaparral Suites
Resort Scottsdale (Conference Center), 5001 N.
Scottsdale Rd.; Sun. 1-5; free admission; gemstones,
bead strands, wholesale prices, findings, stringing
supplies; contact Dave Robertson, (800) 366-2156, e-
mail: drobertson@rings-things.com; Web site:
www.rings-things.com

NOVEMBER 2010:

5-7--BLACK CANYON CITY, ARIZONA: Annual
show, "Rock-A-Rama"; Braggin' Rock Club; High
Desert Park, Jacie St.; free admission; minerals, lapidary
supplies, displays, fossils, rough slabs, crystals, beads,
tailgaters welcome; contact Phyllis, (623) 374-5451

5-7--GOLDEN, COLORADO: Annual show; Denver
Area Mineral Dealers; Exhibition Hall, Jefferson County
Fairgrounds, 15200 W. 6th Ave.; Fri. 10-6, Sat. 10-6,
Sun. 11-4; free admission; minerals, fossils, gemstones,
jewelry, beads, carvings; Pat Tucci, GEOdyssey LLC,
P.O. Box 16339, Golden, CO 80402, (303) 279-5504; e-
mail: ptucci@sprintmail.com; Web site:
www.geodyssey-rocks.com

6--TUCSON, ARIZONA: 9th annual silent auction; Old
Pueblo Lapidary Club; 3118 N. Dale; Sat. 9-2; free
admission; contact Danny V. Harmsen, (520) 323-9154

13-14--LAKE HAVASU CITY, ARIZONA: 41st annual
show; Lake Havasu Gem & Mineral Society; Aquatic
Center, 100 Park Ave.; free admission; Sat. 9-5, Sun. 9-
4; more than 30 display cases, handcrafted jewelry,
mineral and fossil collections, educational displays,
hands-on activities, kids' games and prizes,
demonstrations, cutting and polishing gemstones,
silversmithing, dealers, tools, findings, rock slabs,
finished jewelry, door prizes, raffle prizes; contact C.J.

Stone, (928) 505-2865; Web site:
<http://lakehavasugms.org>

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

Education

David presented a quick presentation on his small portable photo studio. This studio allows you to take pictures of small objects such as jewelry or mineral specimens by providing good light and a consistent background to give you good quality photos.

There are many different types for sale \$29.00 and up. For more information do a search on the internet - portable small photo studio- and all types of information will be at your fingertips.



Magdalena's Rocks

'Smithsonite'

Smithsonite was named after James Smithson in 1832. James Smithson was an English scientist, often referred to as the best chemist and mineralogist of his year. He was an active member of many scientific organizations that benefited society and advanced scientific research. James published at least 27 papers with topics in chemistry, geology, and mineralogy. In 1802 James Smithson proved that zinc carbonates were true carbonate minerals, not zinc oxides. This discovery led to the breakdown of calamine into two separate minerals hemimorphite and smithsonite. After James Smithson's death in 1829 the bulk of his estate was given to his nephew. Since his nephew died without any heirs the

Smithson Estate was then given to the United States of America to found the Smithsonian Institution.

Origin & Occurrences

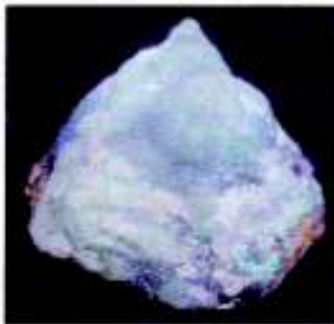
Smithsonite is often found with zinc deposits in limestone, associated with azurite, malachite, limonite, sphalerite, calcite, cerussite, hemimorphite, aurichalcite, anglesite, pyromorphite, hydrozincite, and galena. Also, it is often discovered in pseudomorphs after calcite.

It is found in many places around the globe including the Tsumeb, Namibia, and Broken Hill mines in Zambia; the Kelly Mine in Magdalena, New Mexico; Leadville, Colorado; Utah; Idaho; Arizona; Mexico; Laurion, Greece; Bytom, Poland; **Moresnet, Belgium; and many other localities.**

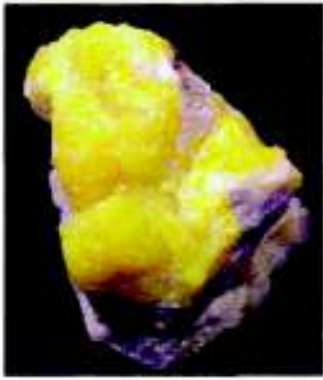
Varieties & Uses

The different varieties of smithsonite include bonamite, dry bone ore, turkey fat ore, cadmium smithsonite, and copper smithsonite. The primary use for smithsonite is as an ornamental stone. When polished for this purpose, smithsonite may be referred to as 'Bonamite'.

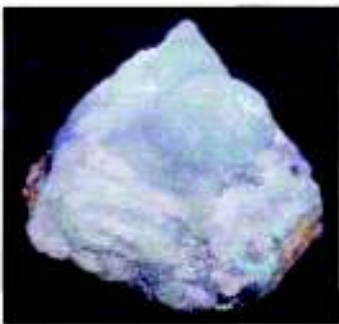
Bonamite is associated with the gem trade, and has a blue to green globular habit with a feathery luster. Dry bone ore is usually in a honeycomb shape, massive, porous, and dull.



Kelly Mine, Magdalena, Socorro Co., New Mexico
Hershel Friedman

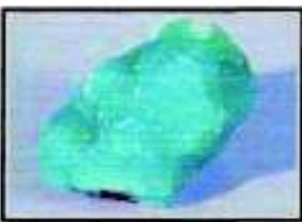


Botryoidal yellow Smithsonite ("Turkey Fat Ore") Hershel Friedman



Globular crust of blue Smithsonite ("Bonamite") Hershel Friedman

<http://www.emporia.edu/earthsci/amber/go336/vopata/smithsonite.html>



Smithsonite
Zinc Carbonate, $ZnCO_3$

Smithsonite is a secondary mineral commonly found in the oxidized zone of zinc deposits in limestone gangue. It is formed by the alteration of sphalerite and is commonly associated with hemimorphite, cerussite, malachite, azurite, anglesite and other oxidized lead and zinc deposits.

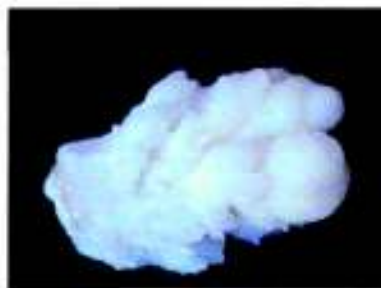
<http://www.rockhounds.com/rockshop/smiths.html>

ARAGONITE

Aragonite is a common carbonate mineral. It is unfortunately often thought of as the poor cousin to [calcite](#). But aragonite is an interesting and attractive mineral in its own right. It forms interesting habits and can have a soft pretty color. Its modes of formation and relationship to calcite are both curious and intriguing.

Aragonite is a *polymorph* of calcite, which means that it has the same chemistry as calcite but it has a different structure, and more importantly, different symmetry and crystal shapes. Aragonite's more compact structure is composed of triangular carbonate ion groups (CO_3), with a carbon at the center of the triangle and the three oxygens at each corner. Unlike in calcite, the carbonate ions do not lie in a single plane pointing in the same direction. Instead they lie in two planes that point in opposite directions; destroying the [trigonal](#) symmetry that is characteristic of calcite's structure. To illustrate this, imagine the symmetry of an equilateral triangle; a three fold rotation with three mirror planes that cross in the center. Now join two of these triangles together at their bases and you have a diamond-shaped figure with the symmetry of a two fold rotation with one mirror plane in the middle. This is what the effect of the two carbonate planes with opposite orientations has on the symmetry of this structure. Aragonite has an [orthorhombic](#) symmetry ($2/m 2/m 2/m$) instead of calcite's "higher" trigonal ($\bar{3} 2/m$) symmetry. A very rare mineral called **vaterite** is also a polymorph of aragonite and calcite; making them all *trimorphs*. Vaterite has an [hexagonal](#) symmetry ($6/m 2/m 2/m$).

[Carbonate minerals](#) with this same structure as aragonite belong to the [Aragonite Group](#) of minerals. The structure is responsible for the similar properties of this group. Dissimilar properties are the responsibility or result of the differing metal cations in the various minerals of the group.



<http://www.earthmoodsphoto.com/images2/aragonite-US20.jpg>

White Mountain Gem & Mineral Club
OFFICIAL ballot of Officers and Volunteers for 2011

President __ Nanz Marshall _____

Vice President __ David Bingell _____

Secretary __ Tonie MonDragon _____

Treasurer __ Larry Legge _____

Editor _____ Charlene Bingell _____

Field Trip Chair _____

Board Members-at-Large: (either 7 or 9 needed total with officers included)

_____ Karen Stokes _____

Volunteer Positions:

Auctioneer __ Bill Stalder _____

Webmaster __ Ron Ginn _____

Historian __ Eunice McQuiston _____

Coalition Field Trip __ Eunice McQuiston _____

Bonus Prizes __ Eunice McQuiston _____

Sunshine __ Eunice McQuiston _____

Highway Cleanup __ Nanz Marshall _____

Claims Filing __ Nanz Marshall _____

Show Chair _____

Librarian _____

Door Prizes/Greeter/50/50 Raffle __ Kathy Varhol/Linda Stalder _____

Membership Chair _____ Ron Ginn _____

All mail in votes of the Official Ballot must be received by the November meeting
and they must have a signature to be counted.

Signature: _____

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



It's the Time Of Year to Vote

Enclosed Ballot

Vote and or Volunteer

Positions are still open

Join the Fun!