



ROCK TALK

White Mountain Gem & Mineral Club
Member of RMFMS and AFMS

Volume 14 Issue 7 July 2010

whitemountain-azrockclub.org

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Secretary **Tonie MonDragon**
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Treasurer **Larry Legge**
(928) 537-2524
Editor **Charlene Bingell**
(928) 367-4062
Field Trip Chairman- **Open**

Board Members:

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Eunice McQuiston (928) 536-7209
George Stokes (928) 229-0328
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Volunteer Positions:

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Advertise & PR **Larry Legge**
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Librarian **Jan Pertruzzi**
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Door Prizes/50-50 Raffle
Kathleen Varhol
Auctioneer **Bill Stalder**
(928) 368-4496
Highway Clean Up
Nanz Marshall
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Coalition Trips/Historian/Sunshine
Eunice McQuiston
(928) 536-7209
Education (Schools/Libraries)
Open
Web Master **Ron Dale**
Ron.bunnie@gmail.com

President's Message

July 2010

Thank you to the few and loyal who attended in July.

David has put many hours and trips into his scholarship presentation. His efforts are greatly appreciated, both by the Club and the soon to be awarded. The evaluation committee is also applauded. It appears the WMG&MC will be enlarging our donations and adjusting the budget next year to reflect this new direction.

It was a tearful goodbye to Ron Dale and Bunnie who are moving to Oregon. Also thanks for passing on the Webmaster job to Ron Ginn. All you computer folks will be kept happy.

Thanks Charlene for the interesting turquoise segment. I was able to take home the string of them off the Silent Auction table. BONUS!

Thanks Eunice for this month's coalition trip to St. Johns. Sounds like we are all in for more fun!

Happy Summer Everyone! I hope you'll take the opportunity to get out there and enjoy!

Rock On,

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
July 5, 2010

President Nanz Marshall called the meeting to order at 6:35 p.m. By the middle of the meeting there were 20 people present.

A motion to approve the June minutes as published was made by Ron Dale and seconded by Bob Shoup. However, there not being a quorum at this time, Nanz polled the members for their wishes. The members present unanimously approved the minutes as published.

Nanz called for officer and board reports.

Vice President David Bingell David reported that his wife, Charlene would conduct the evening's educational program.

Treasurer Larry Legge gave the Treasurer's report for May and June and for the results of the Annual Show.

The Secretary had no report.

Editor Charlene Bingell had no report, but would be giving the Educational Program tonight.

Eunice McQuiston reported that the next fieldtrip would be Saturday, July 24th to the St. John's Landfill and it would be a Coalition field trip open to all 12 clubs in Arizona. The group is to meet at Wilbur's grocery at 9 am and be on the road soon thereafter as St. Johns' Pioneer Days Parade would be assembling. The materials to find would be petrified wood, calcite and small septarian nodules.

Under new business Eunice mentioned that Lynn Wheeler would be getting married and moving so would be selling (and possibly giving away) her yard rock. The sale would begin July 15, Thursday at noon for people other than the Rimstone Club members.

Eunice also gave a website for another mineral sale at www.ccharette-f6@live.com

Ron Dale announced that he and Bunnie would be moving to Redmond, Oregon and may not be able to attend another meeting before the move but would remain club members. Ron said he was very happy to have joined our club and wished he had done so sooner and will treasure the friendships he has made. Ron Dale made a motion to appoint Ron Ginn the new Webmaster and the motion was seconded by Sandra Angelo. A quorum not being present, Nanz polled the members present and they unanimously agreed with the motion.

David Bingell handed out a draft of the scholarship proposal. He reported he had spoken with several people involved in scholarship programs with Northland Pioneer College and with gem and mineral organizations and incorporated some of their suggestions. David suggested the members review the proposal and respond to him. There was a brief discussion of the proposal and questions answered. The proposal appears in this newsletter.

The meeting then took a ten minute break and resumed at 7:25 p.m.

Charlene Bingell gave an educational report in the form of a book review on a publication she and David had recently purchased: Arizona Rock & Minerals a Guide to the Grand Canyon State by Bob and Dan Lynch. This book is available at www.amazon.com for \$11.66

Nanz then reported on the June fieldtrip to the claims. There were 21 members present and the weather was good for the day. There were two wandering members but both returned to the site and everyone found good specimens.

Eunice recommended a book: Collecting Rocks, Minerals & Gems, Easy Identification, Values and Lapidary Uses by Patti Polk. You can visit her website at www.agategrrrl.com. This book is available at the website for \$17.99 (autographed).

Next the drawings were held. Bob Shoup won the door prize of a vanadinite specimen. Bill Stalder won the 50/50 of \$10.50, Sandra Angelo won 2nd place of a geode cut in half, and Linda Stalder won the 3rd prize of a fish fossil. The meeting adjourned at 7:52 p.m. upon motion by Eunice McQuiston, seconded by David Bingell, and unanimous approval. The silent auction was to close 3 minutes later.

Respectfully submitted,
Tonic MonDragon, Secretary

Next Meeting

Mark your calendars: Our meetings are always the first Tuesday of the Month- Next month will be **August 3, 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 July and August babies! Summer is here – enjoy the warmth it doesn't last long - CELEBRATE!

July

Charlene Bingell – 25
Larry Legge – 21
Nanz Marshall - 10
Steve Miller - 12
Tonie MonDragon – 3
Mary Ann Moseley- 15
Diane Braswell- 30
Peggy Lancaster- 31
Gordon Rockwood- 28

August

Rod Murphy – 4
John Ferguson - 23

FIELD TRIPS

Club Filed Trip- July 19, 2010

Please join the coalition trip this month. If you would like to volunteer to be the Field Trip Chairperson- we would love to have you!

Coalition Trip for July

Coalition Field Trip-sponsored by The White Mountain Gem & Mineral Club

July 24, 2010

Rockhounds belonging to the Coalition of Rock Clubs in Arizona and the Fluorescent

Finders, a regional chapter of the Fluorescent Mineral Society, are invited to spend some time just north of St Johns, Arizona where you will have the opportunity to find Petrified Wood, Fossils, and Fluorescent Calcite.

Location: St. Johns Landfill

Meet at: Wilber's IGA parking lot, on your left as you enter town from the southwest.

Time: 9:00am, leave parking lot by 9:15. (There is a parade in town – so we need to leave before we get stuck in town)

Vehicle: any will do

Weather: if threatening, or raining, the trip will be canceled

What to bring: containers, plenty of drinking water, lunch, chairs, and since this will be surface collecting-a screwdriver or small pick will do. There is absolutely no shade so please wear a hat.

Terrain: painted high desert

Rules to follow: No ATV's, all fines to be reported at gate as you leave, no trespassing onto private property, park well off the main road, and no littering or other destruction of property.

Waivers: each person will be asked to sign a waiver of liability for the White Mountain Gem & Mineral Club, Inc. and Blue Hills Environmental Assoc., Inc. Each vehicle will be given a number and if you should have to leave before our "out" time, which is 2:00, please give the number to the gate attendant.

Any Questions? Please call Eunice McQuiston at (928)536-7209 or email me at rocknglow@frontiernet.net Have a great day!

Field Trip Report for June 19th, 2010

We certainly couldn't have asked for better weather on Sat. June 19th. The pop-up was perfect for chatting in the shade and admiring all the "beauties" making it back from the fields. Only one thing-it would have been nicer to have had fewer biting deer flies, but the repellent helped a lot, they just buzzed around being annoying.

There were 21 members present, most of whom spent six hours having fun. We got off to a wrong turn, but that was quickly corrected. It was also requested that a list of outing guidelines be available, so you'll find one inside the newsletter. Please keep it handy.

Sandra A. spent her birthday gathering "good stuff" and getting lost for a short time. She heard our pups yip and it helped point the way back, and they helped find her. Speaking of our 8 mo. Old labs, Dude surprised us the other morning by vomiting 4 rocks the size of small limes. Talk about a "true rockhound"!

Tonie M. went on an 8 mi. hike and two vehicle rides to get back to base. She wasn't exactly lost, just went after carnelian (which she found) then thought better of coming back overland and instead followed the fence-line. We were preparing a rescue search when she arrived back, to EVERYONES relief.

Tony P. always excites everyone with his extensive geology knowledge. Just ask him something and he'll know. It's great having him out there with us! Tony, Ursula, and Diane (all Tucson Club members also) not only know rocks, but are also birders. The five of us sat around our camp, sipping margaritas, dipping bread, and poring over the bird book talking about sightings.

The Outdoors is a most wonderful space! I hope you'll share it soon with friends. And thanks to all who participated at the claims.

Nanz

Field Trip Guidelines

If you have questions about the trip, please call the trip leader before hand for clarification.

Arrive at the "meet place" AT LEAST 15 minutes before designated time for sign-up and special instructions.

When caravanning, keep the leader or vehicle at your front in sight, allowing only room for an emergency

vehicle in between. Both lead and tail vehicles are highly suggested to have walkie-talkies.

Whenever a turn is made, be sure to signal the vehicle behind you and track them to make sure they also turn. This means moving the caravan line forward slowly as each vehicle follows the next. Be considerate, and keep up.

Smart gear includes: a WHISTLE, a compass that you know how to use, a walkie-talkie and /or cell phone, a timepiece, carry enough drinking water, an energy bar, sunscreen, bug repellent, a hat, layered clothing, appropriate footwear, something in a bright color (e.g. a vest or bandana that can be waved). **IF YOU TAKE Rx MEDS, HAVE THEM WITH YOU.**

While in the field, keep another person in sight and /or voice range. Never go off by yourself without letting that next person know your direction or purpose. If you do find yourself alone or confused as to direction, STOP, BLOW YOUR WHISTLE, WAIT and repeat the blowing until help comes to you. DO NOT continue moving. If you dig holes, collecting the "good stuff", fill them back in before leaving the spot. If you come across litter, collect that, too. Whatever you pack in, be sure to pack out, and then some. We want to leave an area in better shape than when we arrived, if at all possible.

As part of both our Federation affiliations we were given guidelines, but here is a brief summary. Respect the laws and regulations in the area, leave gates and fences as found, have the necessary permission or permit in hand to be there, collect only what you can reasonably use or is permitted until your next trip. Follow the fire restrictions and do not discard any burning materials (cigarettes, matches, etc.), don't use blasting materials or mechanized earth moving equipment. Do not contaminate any water source or supply. Do not disturb or endanger the wildlife. Practice conservation and undertake to use fully the specimens collected and recycle any unused portion for the pleasure and benefit of others.

The best part of a Field Trip is the being with like-minded friends and fellow rockhounds. It is exciting to see what others have and to learn about new things. It's easy to have fun when we all use our common sense and follow these simple guidelines. LET'S GO!

Nanz

VOLUNTEER WANTED - Field Trips – 2010

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

Education

Review of the Book:

Arizona Rocks and Minerals A Field Guide to the Grand Canyon State

By Bob Lynch and Dan R Lynch Adventure Publications, Inc Cambridge, MN

We came across this book at the Dairy Queen gift shop in Oak Creek Canyon as we were headed to Sedona for a weekend get a way.

What makes this book special is it is a pocket guide that is quite easy to use and full of tons of information- In the beginning there is a Quick Identification Guide that has small pictures of rocks and minerals that are grouped by color which then takes you to the page of the rock or mineral and more detailed information. Otherwise the book is done in alphabetical order.

Each rock or mineral has a two page spread - on one page are pictures of specimens and then on the other it lists the name, hardness, streak, environment in which it is found, size, color, occurrence (rare, common, very rare, uncommon), notes which are filled with more details and then there is a small map of Arizona and locations are shown where the item may be found.

Here is a Trivia question- one mineral in here is named "Mountain Leather" – this is stated to be an uncommon mineral- Does any one know what its more common name is? (see Below for answer)

I am going to go over one stone in the book- so you can here what the author have put together- but before I do that I want to interject with some information I found out about this one stone I am going to talk about.

If we were going to study a Cultural Gemstone of Arizona that gemstone would be...

A Guess from any one...

Turquoise- This stone was named after the stone that was imported from Turkey. Native Americans have been using turquoise for 100's of years – the scholars say since 1600- but I am sure there are beads that date back

earlier than this. It is revered as a good amulet for protection from accidents, or from becoming tired. The Navajos associate turquoise with natural forces and healing. It is also said to be the color of where Father Earth and Mother sky meet. It is also known as for use in help with fertility and it is also a Symbol of wealth and status.

So back to the books information:

"Turquoise Hardness is 5-6 Streak is Pale Green Environment- Mine Dumps, Mountains, road cuts What to look for: Hard blue masses filling cracks and cavities in rock

Size- Turquoise is generally found in pieces no larger than a golf ball

Color – Deep to Pale blue, bluish green or pale green Occurrence- uncommon

Notes – If one was to choose one of Arizona's most well known and desirable collectible mineral, it would be turquoise. Collectors covet its sky blue color and it has been popular for use in jewelry for decades. Turquoise crystals are so rare that most collectors don't even know they can exist. Instead, turquoise often occurs as compact seams filling cracks within broken brown or white rocks. This massive form of turquoise, while hard, is often unstable and crumbles easily. Because of this, only the finest, most solid specimens will take a good polish. Turquoise like many of Arizona's blue green minerals is colored by copper. Of these minerals, chrysocolla is similar enough in color and structure to be confused with turquoise. Chrysocolla however is much softer unless you have a piece of gem chrysocolla. This popular gem variety is actually quartz colored by chrysocolla inclusions, so its hardness will be that of quartz, which is much harder

than turquoise. Once you have determined a specimen is not Chrysocolla, turquoise distinctive color is normally enough to identify it.

Where to look- The Bisbee area mines are famous for their richly colored turquoise. Also the Silver Bell Mountains, west of Tucson, have many localities, as well as many other locations throughout the state." Pages 224 & 225 Arizona Rocks and Minerals A Field Guide to the Grand Canyon State By Bob Lynch and Dan R Lynch Adventure Publications, Inc Cambridge, MN

Answer to the Trivia question:
Asbestos

Presented by Charlene Bingell

Rock and Gem Shows

July 2010

24-25--FLAGSTAFF, ARIZONA: Show, "Flagstaff Jewelry, Gem, and Mineral Show"; Val Latham, Sharon Szymanski; Radisson Woodlands Hotel Flagstaff; Sat. 10-5, Sun. 10-4; contacts Sharon Szymanski, (480) 671-6191, or Val Latham, (602) 466-3060

July-August

30-1--PRESCOTT, ARIZONA: Show and sale; Prescott Gem & Mineral Club; Prescott Gem & Mineral Club; Embry Riddle Aeronautical University Activity Center, 3700 Willow Creek Rd., Bldg 84; Fri. 9-5, Sat. 9-5, Sun. 9-4; adults \$2, children under 12 free; hand-crafted jewelry, rough rock, slabs, cabochons, beads, fossils, crystals, equipment, raffle; contact Maggi Lieber, 4855 E. Diamond Dr., Prescott, AZ 86301, (520) 831-0017; e-mail: maggiscratch@msn.com; Web site: www.prescottgemmineral.org

August

12-15--BUENA VISTA, COLORADO: Show, "The Rock Show at Buena Vista: A CONTINental Divide TAILgate"; Contin-tail LLC; Rodeo Grounds, Gregory Rd. and Rodeo Rd.; Thu. 9-5, Fri. 9-5, Sat. 9-5, Sun. 9-5; free admission; more than 120 dealers, rocks, minerals, gemstones, fossils, beads, jewelry, lapidary equipment, demonstrations (glintknapping, stone cutting, wire wrapping, beading, precious metal clay), free rock for children, door prizes, fluorescent mineral display; contact Carolyn Tunnicliff, 1130 Francis #7010, Longmont, CO 80501, (720) 938-4194; e-mail: ctunnicliff@comcast.net; Web site: www.coloradorocks.org

14-15--WALNUT CREEK, CALIFORNIA: Show, "Contra Costa Crystal Fair"; Pacific Crystal Guild; Civic Park Community Center, 1375 Civic Dr. at Broadway; Sat. 10-6, Sun. 10-4; admission \$6; contact Jerry Tomlinson, (415) 383-7837; e-mail: sfxtl@earthlink.net; Web site: www.crystalfair.com

19-22--WOODLAND PARK, COLORADO: Show, "Woodland Park Gem, Mineral & Jewelry Show"; Rock Gypsies; Woodland Park Saddle Club, 111 N. Center St.; Thu. 9-6, Fri. 9-6, Sat. 9-6, Sun. 9-5; free admission; contact Kim or Bodie Packham, 87 Plum Creek Rd., Divide, CO 80814, (719) 360-9665; e-mail: runninboar@hotmail.com

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

Fun Stuff:

"ROCKS, MINERALS, & FOSSILS"
Yard Sale @Lynne Wheeler's-Payson, AZ
July 15th Noon - 4 PM
752 E Dealers Choice Lane North
off HWY 260 E; east of Payson, AZ 5 miles.

I am moving...and have a lot of materials available for very reasonable prices-- some free or dirt cheap too.

Raffle items, kids' rocks; specimens, lots of cutting materials, 6 yard rocks-eye candy for your gardens--- fluorescent s tool!!!

If you need more info please call

Lynne Wheeler 928-978-4062

Uses of Minerals

Aluminum – (Bauxite) – The most abundant metal element in the Earth's crust. Bauxite ore is the main source of aluminum and is imported from Guinea, Australia, Jamaica, etc. Used in automotive and airplanes (36%), bottling and canning industries (25%); kitchen cookware and foil; building and electrical (14%); personal products, like deodorants.

Antimony – A native element; antimony metal is extracted from stibnite and other minerals. Used as a lead hardener for storage batteries and cable sheaths; used as an alloy and in flame-retardant formulations.

Arsenic – A by-product of mining. Cotton production; wood preservatives.

Asbestos – Can be readily separated into thin, strong fibers that are flexible, heat resistant and chemically inert, asbestos minerals are used in fireproof fabrics, yarn, cloth and paper and paint filler. Friction products, asbestos cement pipes and sheets, coatings and compounds, packing and gaskets, roofing and flooring products, paints and caulking and chemical filters. Fibers are dangerous when breathed, so uses must protect against fibers becoming airborne.

Basalt – Basalt is an extrusive igneous rock. Extrusive means that it solidified after flowing onto the surface of the earth. Basalt is used in many of the same ways as granite. It is suitable for railroad ballast, for asphalt and road aggregate in highway construction.

Barium – (Barite) – Used as a heavy additive in oil well drilling mud, paints, rubber, plastic and paper; production of barium chemicals and glass manufacturing.

Beryllium – Industrial and nuclear defense applications, used in light, very strong alloys for aircraft industry. Beryllium salts are used in X-ray tubes and as a deoxidizer in bronze metallurgy. The gemstones of beryl are emerald and aquamarine.

Bismuth – Is a by-product of ore processing, used in chemicals, pharmaceuticals and cosmetics.

Boron – Used primarily in the manufacture of different types of glass (Pyrex).

Bromine – Used in leaded gasoline; fire extinguishers and retardants; well completion fluids and sanitary preparations.

Cadmium – Plating and alloying; pigments, plastics and batteries.

Cement – Building materials, stucco and mortar.

Cesium – Electronic, medical and chemical applications.

Chromium – Stainless and heat-resistant steel, full-alloy steel, super alloys and other alloys.

Clays – Kaolin, paper, refractories, rubber, ball clay, dinnerware and pottery, floor and wall tile, sanitary wear, fire clay, firebricks, foundry sands, bentonite, drilling mud, iron ore pelletizing, fuller's earth, absorbent and filtering, insecticide dispersing, common clay, construction, cosmetics.

Coal – Technically, coal is not really a mineral. It should be considered a black or brownish-black rock of organic origin. It is a "fossil-fuel", just like petroleum and natural gas. There are four principal types of coal. Listed in order of lowest to highest heating value, they are Lignite, Subbituminous, Bituminous and Anthracite. Coals are used for fuel, space heating and electricity generation.

Cobalt – Used in superalloys for jet engine parts, cutting tools and electrical devices, permanent magnets, catalysts; pigments and driers for paints and allied products.

Columbium – (Niobium) – Used mostly as an additive in structural steels and in superalloys; used in metallurgy for heat resistant alloys, rust-proofing (stainless steel) and electromagnetic superconductors.

Copper – (Chrysocolla) – Used in electric cables and wires and building construction, switches, plumbing, heating and electrical and electronic components, industrial machinery and equipment, transportation, consumer and general products, coins, and jewelry. Leading producers are Chile and the U.S.

Corundum and Emery – Grinding and polishing abrasive.

Diamond (Industrial) – (Kimberlite) – Machinery, mineral

services, stone and ceramic products, abrasives, construction, drilling, transportation equipment.

Diatomite – Is a siliceous product organically produced by diatoms. A diatom is a single-celled organism found in fresh and salt water that under ideal conditions could divide every 8 hours. The external skeletons of these creatures are made of silica. Primarily used for filtration, but new applications are continuously being found in the fields of biotechnology, pharmaceutical applications and environmental cleanup technologies.

Dolomite – (Lime) – Is the near-twin sister rock to limestone. Like limestone, it forms in a marine environment. Dolomite is used in agriculture, chemical and industrial applications; cement construction, refractories, and environmental industries.

<http://www.nwma.org/education/Uses%20for%20Minerals.htm>

Scholarship Update

From the Vice President:

Please review the following Scholarship information and return to the Club's August meeting for a discussion of your ideas, suggestions and corrections. At the July meeting, a couple of people volunteered to be on this committee!

If we stay within the idea of "yes we can," there shouldn't be too many problems establishing this scholarship program. The further we move from the simplicity of "yes we can," the problems grow greater.

This is only a suggested amount as we can play with the numbers, it is suggested however that we consider at least \$500 per semester because it begins to do the "most demonstrable good" for the student. Some institutions won't take less than \$500 per semester for the student.

We can offer this scholarship to residents of Arizona and focus on students from the White Mountains. We can offer this scholarship to Undergrad and Graduate students (preferred) working towards a degree in "Earth Sciences." Can we live with the fact that the Department of Earth Sciences also includes Anthropology, Geography, Meteorology and Oceanography?

Lastly, a scholarship is a gift. We cannot direct the student in the manner which we believe they must use this gift after it is awarded; this is why qualifying criteria are outlined in the scholarship application, and the Scholarship Committee (in the name of the Club) chooses the best qualified candidate.

(DRAFT) The "X" Scholarship (DRAFT)

The members of the White Mountain Gem and Mineral Club are proud to offer the "X" Scholarship in the amount of **\$1,500 for an Undergraduate Student** and **\$1,500 for Graduate Students**. Candidates must be seeking a degree in Earth Sciences.

Who is eligible to apply?

- Any **Arizona resident** seeking a degree in a College or University based Earth Science program. **Preference is given to candidates from the White Mountains of Arizona.**
- Scholarship is for the Academic Year Fall 2--- – Spring 2---
- **All documents must be submitted at one time for consideration of the scholarship any others will be discarded.**

Criteria

- Candidates must demonstrate full-time enrollment in an Earth Science program as an Undergraduate or Graduate Student.

How do I apply?

- Letter of Interest to include return address and phone
- Current Transcripts (sealed by Registrar or equivalent)
- 2 Letters of Reference, complete with address and phone

Required:

- proof of Arizona residency (AZ issued Driver's License is acceptable proof, as long as the license number is not visible).
- 5 to 7 page paper with 3 references on the candidate's interest and application of education relative to the field of Geology.
- Presentation of paper to the Club on the first Tuesday in April, 2011.
- 3.2 GPA

Where to submit:

Submit all documents at one time, to include 3 additional copies of the candidate's paper, but without any reference of name or address to:

The White Mountain Gem and Mineral Club
Scholarship Application Committee
P.O. Box 3504, Show Low, AZ 85902-3504

Deadline: - **March 1, 2011** (DRAFT)

Time Line:

- January 1; Scholarship announced
- March 1; Scholarship application deadline
- March 7; Last day to receive complete application package
- March 14 – 21; Review applications, confirm References
- March 22; Two Applicants are chosen and notified to attend Club meeting
- First Tuesday evening in April; Students address the Club
- The first check will be released September 1
- The second check will be released January 15

(DRAFT) Scholarship Program Information (DRAFT)

(DRAFT) White Mountain Gem and Mineral Club
Show Low, AZ (DRAFT)

1. **Purpose.** The purpose of the Scholarship Program from the White Mountain Gem and Mineral Club (hereafter: Club) is to provide fiscal resources and guidance to one student in each of the following categories, in each of the amounts assigned to that category:

- (1) College or University student - \$1,500 (DRAFT)
- (1) Master's level student - \$1,500 (DRAFT)

This scholarship is awarded every other year (**ODD/EVEN**), at the beginning of the academic school year and disbursed twice; one half of the full amount, September 1, and January 15.

The Club wants to support individual students who demonstrate the interest and drive to engage and further any fields of Geology and related geological disciplines. In keeping with that support, the Club awards these scholarships to the students who can articulate their own academic and financial needs and their role in geologically-related field work, lab research or in any discipline that may evolve with innovative computer programming for the Geological field.

2. **Qualifications.** The student must be actively seeking a degree in Geology or any related field of Geology as their Major (BA or BS). They must be able to prove Arizona residency of 4 years, preferably but not limited to the White Mountains of Arizona (a region of Arizona defined to include Alpine, the White Mountain Apache Tribe, Pinetop-Lakeside, Show Low, Heber-Overgaard, Holbrook, St. Johns, Springerville and all towns within this area).

3. **Process.** Candidates will submit the following packet of information: One letter of introduction, complete with physical mail, email and contact phone number, one resume, one copy of the candidate's letter of acceptance to a College or University, one sealed copy of Scholastic Transcripts from the Registrar or equivalent, and two letters of academic reference.

An original self-authored paper, with the candidate's name **only on this paper**. Three (3) copies of this paper, complete with references will be included. **NO NAME ON ANY PAGE OF THESE PAPERS.** There is a 7 page maximum, 5 page minimum and three (3) references. The subject of this paper will address the candidate's interest and application of education relative to the field of Geology.

The candidate will send this packet to:

**White Mountain Gem and Mineral Club Scholarship Committee
P.O. Box 3504, Show Low,
AZ 85902-3504**

**This packet shall be postmarked no later than March 1
and must be received within seven business days. (DRAFT)**

When the packets have been received, they will be assembled and prepared by the Vice President of the Club for review by the Scholarship Committee, consisting of three members of the Club who will receive the unmarked papers and review them for content. Once two candidates are chosen, arrangements will be made for their appearance before the Club to present their papers on the first Tuesday of April at 5:30 pm (dinner will be provided by the Club). The candidates will present their paper to the Club members, and answer any questions the Club members may have regarding their study and future plans.

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

