



ROCK TALK

White Mountain Gem & Mineral Club
Member of RMFMS and AFMS
Volume13 Issue 7 July 2009

Elected Officers

President Pete Scholten
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Treasurer Larry Legge
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Editor Charlene Bingell
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Field Trip Chairman-
Eunice McQuiston
(928) 536-7209

Board Members:

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Kathleen Varhol
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Eunice McQuiston
(928) 536-7209
Ursula Wilson
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Volunteer Positions:

Show Chair Open
Advertise & PR Open
Librarian Jan Petrtruzzi
(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

President's Message

July, 2009

I am actually writing this in advance of the meeting because as you found out I was not there. I hope you had an enjoyable meeting. I am sure that with Laura running the meeting things went much more smoothly.

I hope everyone had a great 4th of July weekend and enjoyed the fireworks. We spent the weekend at the new Elks Club Car Show and Crafts Fair. Of course we have front row seats for the fireworks at our house.

I wasn't at the meeting, for those of you who don't already know because I was in Nevada collecting trilobites and other cool stuff. I hope those of you going to Wyoming get lots of really great fossils and rocks. Wish I was going but you just can't do everything. Someone please bring me back some blizzard stone. Will be glad to pay for it even.

If you didn't go with me or if you don't get to go to Wyoming make sure you get out there and go somewhere. July is such a great month, not just because I was born this month, but because it is the MIDDLE OF SUMMER BABY!! You might get a little wet or sunburned but hey, what the heck, you can collect rocks and not have to pry them out of the frozen ground.

Enjoy,

Pete

"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

White Mountain Gem & Mineral Club
Minutes of July 7, 2009 General Meeting

The meeting was called to order at 6:30pm by Laura Scholten, Board Member, as President Pete Scholten was out of town digging trilobites in Nevada.

There was one guest present, Bob from Colorado, who is on vacation and happened to see our sign and decided to join the meeting. There were 21 members present.

Nanz Marshall made a motion to accept the June minutes as published, seconded by Ron Dale. The motion was approved unanimously.

Laura made announcements about upcoming shows and gave the dates to Charlene for the newsletter. Laura announced Ron Dale would give a presentation on the website he has constructed for the club, and David Bingell would give an educational program tonight.

Larry Legge gave his treasurer's report for June and an almost final report on the financial outcome of the show.

Charlene Bingell, Editor, stated there would be a rush to get the newsletter out as she and David are going on the Wyoming trip. Charlene invited any submissions for future newsletters, inquiries she could research, or comments members wanted published.

Eunice McQuiston, Fieldtrip Chair, reported on the June fieldtrip to the claims and that 16 members went on the trip. Nanz had crystal specimens to show. Eunice reported there are 11 or 12 members going on the Wyoming Coalition Trip. The August trip has not been set yet but may be in the Luna area. The September 11th trip to Magdalena will include a fossil site a few miles north of Socorro.

Under new business Eunice made a motion to elect Nanz Marshall to the open Board Member position, seconded by Sandra Angelo, and approved unanimously.

Under old business Laura reported on the fee charged by the Show Low Unified School District for use of the facilities for our show. After she and Pete discussed this with the Superintendent it was agreed that the Club would make a monetary donation. As we are an educational organization, after discussion and Laura's

suggestion, Nanz Marshall made a motion to make a \$500.00 contribution to be divided evenly between the Junior High Music Club and the High School Science Club, as these were the school clubs that sponsored our event. Tonie MonDragon seconded the motion and it was passed unanimously. Since we already contributed \$127.50, an additional \$220.00 would go to the Science Club and \$152.50 would go to the Music Club.

Further under old business Mike Gaspar stated that he had not quit the club last month, but surrendered the Fieldtrip Chair due to work and personal issues. He would like to stand for a future office when time permits.

At 7 pm the Club took a ten minute break. The silent auction also ended at the end of the break.

The meeting resumed at 7:10 p.m. Laura introduced Ron Dale who had set up two computers for members to view the website he had constructed for the Club. The site is currently on a free hosting site and can be visited at www.wmgmc.uuuq.com/Index.htm. Ron would appreciate suggestions and input from members. The roster is password protected and a member can obtain it by e-mailing Ron at ron.bunnie@gmail.com or calling him at 928-537-5203. Ron gave some ideas about various hosting sites and domain names, and there will be more discussion before the members vote next month. Please send Ron your comments and suggestions.

David Bingell presented the education program on Altered & Enhanced Gemstones. There are at least 5 ways to alter/enhance stones including heat treating, UV radiation, pressure, dyeing and laser drilling. The latter is used to remove inclusions from diamonds. Certain stones need enhancement such as Zircon and some Tanzanite, other gemstones such as clear topaz and white sapphire just need some touch-up. Also many pearls are color enhanced. Basically if you are making a gemstone purchase, you should study the matter and educate yourself. You can also ask for the provenance of the gem material and a reliable jeweler will provide the stone's background information. David recommended Gemstones of the World as a resource book.

The drawings were completed next with Nanz Marshall winning \$8.50 in the 50/50, Laura winning an obsidian sphere and Tonie winning an agate necklace. The door prize drawing of an amethyst crystal was won by Eunice.

Upon motion by David Bingell, and second by Gary Amator, and unanimously approved, the meeting was adjourned at 8:05 p.m.

Respectfully submitted,

Tonie MonDragon, Secretary

We need a volunteer for President- then Pete would step down to Vice President to fill the spot that Nanz is vacating- or a Secretary and Toni will step in for Vice President- or just a Volunteer for Vice President- your duties would be to fill in as needed for the President in the President's absence and you would be responsible for the education portion of the clubs meetings- and attend board meetings-Also Eunice is filling in as Field Trip Chairman but please let us know if you would be interested in that position as well. PLEASE STEP FORWARD IF YOU CAN HELP THE CLUB-PLEASE VOLUNTEER!

Next Meeting

Mark your calendars: Our meetings are always the first Tuesday of the Month- Next month will be August 4th - 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

Birthdays

Happy Birthday July and August Babies!- May life be a constant celebration! No matter what your age!

July

Charlene Bingell - 25

Bruce Emerson - 16

Erik Holmstrom - 31

Larry Legge - 21

Nanz Marshall - 10

Steve Miller - 12

Tonie MonDragon - 3

Rod Brewer- 30

Pete Scholten - 20

Mary Ann Moseley- 15

August

Paul Gaspar - 24

Rod Murphy - 4

Zenith Yandell - 21

Gloria Petty -2

FIELD TRIPS

Field trip updates:

SEPTEMBER

Magdalena Moments

New Mexico

If interested in fun, collecting, socializing with club members and guests, or just plain R R, now is the time to make reservations for Friday night, the 11th, and Saturday night, the 12th of September, 2009. Actual field trip day will be the 12th.

Sites are being considered at this time, our guide has been alerted, and our hosts at the Western Motel are anxious to welcome us back. Please call them at (575) 854-2417, and mention that you are rock club members. There are only a few rooms available at the Western, so it would be wise to secure your space now. There is an RV park in the rear if you wish to bring your home on wheels.

As time draws near, more info and particulars will be given. This trip has always proved to be great and not that far from home. Approximately 165 miles east on Hwy 60 from Show Low.

For the first timers, if you wish to learn a little more about this trip, call me (Eunice) at (928) 536-7209.

Eunice

June Outing to the Claims

June 20th turned out to be a fantastic day at the claims. 18 members and Bruce's dog Linus met at the Safire, Eunice gave out instructions and newly found advisories from the Rangers, then she and Fred turned about and 16 of us caravanned up the hill. The sunshine was just right, the small breeze perfect, and than you Larry and

friends for the pop-up shade that really was welcome to those needing a break, or lunchtime visit.

Pete S. found the first big piece, with Tonie right behind him. It was thought to be calcite
But I understand it did not fluoresce. Gary P. saw me struggling with a shovel to get my treasure out, and after he removed 6-8 scoops he warned me that if it turned out like the
Specimen on the rim, it was just going to stay in the ground. Luckily we, together, got my piece and a nice piece of crystal for Gary, too. I hope you got a look at the meeting.

We've met our commitment for another year and had a good time doing so. With the
Government regs. As they are now, with a 10# limit, etc, it's nice to have a relaxing get
away all our own. We will be seeing Billie Provansha in Moab on our way to Wyoming
and will express our appreciation.

See 'ya all next year! Nanz

Roster Updates

Roster Updates:

Ed Nichols, 8482 Antelope Dr, Show Low, AZ 85901
708-557-2223 Docholliday32@msn.com

Updated email for Ron Ginn- wginn3gmail.com

Bits and Chips

The opinions expressed by the president of this club in his June newsletter message are not necessarily those of the majority of the club members.

Nanz Marshall

The field trip for July to Wyoming is our club's coalition responsibility for the year. For those who could not make it on this trip, I hope you will be able to take this

trip at a later date. The "event" tours that George has planned will be available all summer long.

Eunice McQuiston

Thank you very much to everyone who contributed to the potluck at our recent gem and mineral show. The Special Olympics group was also most appreciative.

Kathy Amator

50 Year Collection Sale

June 27, 2009

Approximately 85% are priced at \$1.00 a pound

Large Rounds, etc – reasonable priced per piece

Rainbow petrified wood, Blue agatized petrified wood
Golden yellow agatized wood (horsetail or juniper)
Green chromium petrified wood – from newly discovered deposit, Petrified ironwood
Various petrified wood from AZ and NM – some rare & no longer obtainable, Palm wood from AZ and NM
Palm root from CA, Agate – many types, including St. John's flower agate, Apache Creek, Luna blue, crystals, etc., Zebra rock near Payson, Obsidian and Apache Tears
Chert and Pastellite from Burro Creek
Colorful jasper from AZ and CA
Onyx from Mayer, Bloody Basin, CA, etc.
Picture rock from Alamo Lake
Septarian Nodules from AZ
Selenite from AZ
Minerals from CA – Black Tourmaline, purple Lepidolite, etc.
Fossils – many types, including Phytosaur bones, headplate, Nautiluses (sm. & lg.), Coral, etc.
Lots of Miscellaneous rocks
Equipment: 12 inch Slab Saw, older LORTONE with newer motor and new blade – asking \$300
Some yard sale items

Bring buckets, bug spray, drinking water, garden gloves, and spray bottles. FYI – We've seen a few rattler and black widows here.

DIRECTIONS: Coming from Show Low, go all the way through St. John's, and cross bridge. First right on to well-maintained dirt County Road 6040 (Salt Lake Rd.)

for 6 miles. At the 6-mile marker, next right onto 15 Country Road N6417 (green gate – please keep closed). Approximately 1/3 mile and we're on the right. Park in front of the house on right. 10:00 am.

We'll be available the weekend of June 27 or thereafter. Let me know of any questions. (see next article for more details)

Nancy & John 928-245-4993 (John)

Rock Sale continued:

The rock sale at the Frampton's outside of St. Johns, AZ on the 27th turned out to be a re-visit of almost all of the field trips this club has ever been on. As I walked along on this sentimental journey on paths to each group, I thought to myself, "I remember going there"! This in-turn brought to mind a hi-lite or two of each of these trips.

There was of course much, much more. Nancy and John had been on other field trips. I urge each of you to make this trip to their home. The sale will be on-going until the end of July.

They ask that you call them and make arrangements first. Their phone number is (928)245-4993. To reach their place, drive through St. Johns, over the bridge and then turn right onto Salt Lake Road (Cty Rd #6040). Go to MM 6, then turn right onto Cty. Rd N6417. Please close the green gate after passing through. Go .3 mile to #15 which is on a big rock at their driveway entrance. Turn right and a short distance then to their home. Beautiful Petrified Wood (walk around to the back to locate some rounds) and St Johns Flower Agate (you can not get to this collecting site anymore) are but a few to choose from. Located on approximately an acre or more and nicely grouped, they are right when they say Massive Collection!

Although there is a fee, all the work has been done for you. All you have to do is select what you want while on your leisurely walk (there are no hills to climb). Be sure to bring plenty of drinking water and maybe even a sandwich or two. Rattlesnakes and black widow spiders have been seen but while I was there on Saturday, all I saw was Lizzie and Lenard Lizzard.

Don't miss this sale folks

Eunice

Rock & Gem Shows

July- August:

31-2--CREEDE, COLORADO: 8th annual show; Rare Things; Underground Mining Museum, N. Canyon Rd.; Fri. 10-5, Sat. 10-5, Sun. 10-5; free admission; gems, minerals, local rocks, jewelry, programs; contact Jenny Inge, P.O. Box 371, Creede, CO 81130, (719) 658-2376; e-mail: rarethingsgallery@yahoo.com

31-2--PRESCOTT, ARIZONA: Show and sale; Prescott Gem & Mineral Club; Embry-Riddle Aeronautical University Activity Center, 3700 Willow Creek Rd.; Fri. 9-5, Sat. 9-5, Sun. 9-4; adults \$2, children under 12 free; rough rock, slabs, cabochons, jewelry, findings, mineral specimens; contact Pam Jackson, P.O. Box 345, Chino Valley, AZ 86323, (928) 636-9188; e-mail: lpjack65@cableone.net; Web site: www.prescottgemmineral.org

August:

5-7--SILVER CITY, NEW MEXICO: 26th annual show; Grant County Rolling Stones Gem & Mineral Society; Silver City Recreation Center, 11th St. and Gold St.; Sat. 10-5, Sun. 10-5, Mon. 10-4; free admission; more than 60 dealers from the U.S., Mexico and Asia, free daily field trips, silent auction, Wheel of Fortune, raffles; contact L. Lett, (575) 538-3216; e-mail: show09@stockmanfamily.net; Web site: <http://rollingstonesgms.blogspot.com/>

October;

10-11--PAYSON, ARIZONA: 12th annual show; Payson Rimstones Rock Club; Mazatzal Hotel & Casino Event Center - Bingo Hall, Tonto Apache Reservation; adults \$3, children under 12 free; discount tickets available at Payson Chamber of Commerce, Payson Library, Parks & Recreation Office; contact Barry Jones, (928) 476-3513
<http://www.rockngem.com/showdates.asp>

Free Rock, Mineral & Semi-Precious Gemstone Collection Limits

Rocks, minerals and semiprecious gemstones may be collected on public lands managed by the BLM without charge or permit as long as:

1. The specimens are for personal use and are not collected for commercial purposes or bartered to commercial dealers.
2. You may collect reasonable amounts of specimens. In Arizona, BLM sets the "reasonable" limits for personal use as up to 25 pounds per day, plus one piece, with a total limit of 250 pounds per year. These limits are for mineral specimens, common invertebrate fossils, semiprecious gemstones, other rock, and petrified wood.
3. A group of people does not pool their yearly allotment to collect a piece larger than 250 pounds of either rockhounding specimens or petrified wood.
4. Collection does not occur in developed recreation sites or areas, unless designated as a rockhounding area by BLM.
5. Collection is not prohibited or restricted and posted.
6. Collection, excavation or removal are not aided with motorized or mechanical devices, including heavy equipment or explosives. Metal detectors are acceptable, with the exception of the San Pedro National Conservation Area.
7. No undue or unnecessary degradation of the public lands occurs during the removal of rock, minerals, or gemstones.

ROCK-HOUNDING in Arizona

For pieces of petrified wood heavier than 250 pounds or situation not covered in this pamphlet, please contact your local BLM office.

For More Public Lands Rockhounding Information...

Bureau of Land Management:

Arizona State Office
222 North Central Avenue
Phoenix, AZ 85004
(602) 417-9200

Safford Field Office
711 14th Avenue
Safford, AZ 85546
(928) 348-4400

Arizona Strip Field Office
345 East Riverside Drive
St. George, UT 86790
(435) 688-3200

Tucson Field Office
12661 East Broadway
Tucson, AZ 85748
(520) 258-7200

Kingman Field Office
2755 Mission Boulevard
Kingman, AZ 86401
(928) 718-3700

San Pedro Project Office
1763 Paseo San Luis
Sierra Vista, AZ 85635
(520) 439-6400

Lake Havasu Field Office
2610 Sweetwater Avenue
Havasupai City, AZ 86406
(928) 505-1200

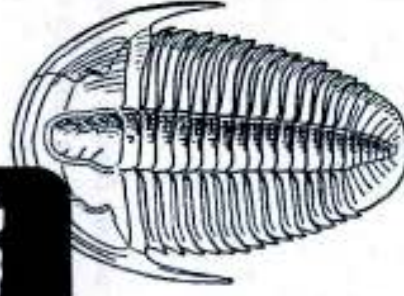
Yuma Field Office
2555 E. Gila Ridge Road
Yuma, AZ 85365
(928) 317-3200

Phoenix Field Office
21605 N. 7th Avenue
Phoenix, AZ 85027
(623) 580-5500

Visit our website at
www.az.blm.gov

Arizona Department of Mines and Mineral Resources:

1502 W. Washington Street
Phoenix, AZ 85001
(602) 255-3795



U.S. Department of the Interior
Bureau of Land Management

BLM/AZ/GI-02/005

ROCKHOUNDING is the collection of reasonable amounts of mineral specimens, rocks, semi-precious gems, petrified wood and invertebrate fossils. Invertebrate fossils are the remains of animals that didn't have bones such as shellfish, corals, trilobites and crinoids. The material collected must not be sold or bartered. Arizona has many localities and varieties of collecting material. Not all varieties are found on public lands.

It is a good idea to check land ownership when planning a rockhounding trip. A good place to begin is the local BLM office. If you can point to a location on a topographical map (available at BLM) we can determine if the site is on public lands.

Check for mining claims before visiting a site. Mining claimants may have the right to exclude others from using their mining claims.

In most instances, public lands are open to rockhounding. BLM can help you make this determination.

SUCTION DREDGING requires permission from the Army Corps of Engineers. In Phoenix, please call (602) 640-5385. In Tucson, call (520) 670-5021. Please contact your local BLM office prior to using a suction dredge.

Collecting in national monuments is prohibited.

Mineral Collecting on Public Lands

Rocks are usually combinations of two or more minerals. The portions of different minerals making up rocks may vary, and the combinations

of minerals may change within rocks of the same name. Granite, composed of quartz and potassium feldspar - usually with small amounts of mica or hornblende, may contain as many as a dozen other minerals. In addition, the portions of each of the minerals may shift from one deposit to another. This gives rise to the variety of local names.

Because rocks are made up of varying mixtures of minerals, and because there are about two thousand different minerals, the number of possible combinations is limitless. It is therefore very difficult to classify rocks except in broad, general groups. The most general classification of rocks is by method of formation: Igneous, Sedimentary and Metamorphic.

Mineral specimens are normally examples of a specific mineral or assemblage of minerals collected by people. Mineral specimens can also include rock types. Examples of mineral specimens found in Arizona include: quartz, azurite, malachite, selenite and calcite. A few of these found on BLM public lands in Arizona are:

Specimen: Quartz Crystals
Selenite

BLM Field Office: Phoenix, Yuma
Arizona Strip

Semi-precious gemstones are used in jewelry-making and decorative arts. They are usually rocks that can be faceted or polished and are able to hold a shine. To collect semi-precious gemstones for commercial purposes, or in amounts greater than those indicated in this pamphlet, you should locate a mining claim. Contact your local BLM office to obtain information on locating a mining claim. Examples of semi-precious gemstones found in Arizona are agates, fire agates, jasper, onyx

and Apache tears. A few of these found on BLM public lands in Arizona are:

Specimen: BLM Field Office:
Fire Agates Kingman, Safford
Apache Tears Kingman, Phoenix

Petrified wood can be found in Arizona within the jurisdiction of the BLM Phoenix, Safford, Yuma and Arizona Strip Field Offices.

Collecting of mineral and fossil resources is prohibited in certain areas being managed under special designation to protect their scientific and natural values, such as Research Natural Areas.

Collecting Artifacts & Fossils on Public Lands

Indian and Other Historical Artifacts: You may not collect any artifacts, ancient or historical, on public lands without a permit. This includes arrow heads or flakes, pottery or potsherds, mats, rock art, old bottles or pieces of equipment and buildings. These items are part of our national heritage and scientists are still learning much from them. Human burial remains on both public and private land are protected by federal and state law from being collected.

Vertebrate Fossils: These include dinosaurs, mammals, sharks and fish, or any animal with skeletal structure. You cannot collect these fossils without a permit from the BLM.

Permits are given to people who meet specific qualifications. A letter from a BLM approved repository is required saying fossils or artifacts collected will be accepted. These items must be placed in the repository and cannot be kept by the collector.

Southwestern Region

Geology and Minerals

RECREATIONAL & HOBBY COLLECTING

Hobby Fossil Collecting | **Recreational Mineral Collecting**



Recreational Mineral Collecting

Limited collection* of rocks and minerals for personal use is allowed on most National Forest System lands. These materials may be collected without a permit provided the collecting is for personal, hobby, and noncommercial use. For commercial** or other uses of rock material, contact the local Forest Service Office.

What types of recreational rock and mineral collecting are allowed on the National Forests?



Collection of small amounts* of widespread, low-value, relatively common minerals and stones (common quartz crystals, agate, obsidian) for noncommercial use.

Hobby mining activities; such as recreational gold panning or use of metal detectors*** to prospect for gold nuggets and other naturally occurring metals.

Are there any National Forest areas that are closed to recreational collecting?

- Certain lands within the National Forest are not open to collecting due to wilderness designation or other sensitive areas. Contact the Forest Service for local information.
- It is a good idea to check with the Bureau of Land Management for specific locations to find out whether or not there are mining claims in the area.

Would I need a permit or other permission?

No permit or notification is required for collecting if the following applies:

- Collecting of samples is on the surface (no digging with hand tools or mechanized equipment).
- Collection is for personal use and esthetic values (cannot be sold or bartered).

For the following activities, please contact the Forest Service to discuss permitting or authorization:

- Activity that *does* involve digging with hand tools or mechanized earth-moving equipment, including bobcats, suction dredges, 'high banking' or dry washing equipment.
- Commercial activities including collecting mineral or fossil specimens for re-sale.
- Removal of more than insignificant amounts* of landscape rock.



However, the following items may *not* be collected or removed by casual collectors:



Vertebrate fossils (dinosaurs bones, fish, - anything with a backbone), and shark teeth.

Archeological resources including any material remains of prehistoric or historic human life or activities, which are at least 50 years old, and includes the physical site, location, or context in which they are found. (36 CFR 261.2)

The collection of projectile points, pottery, or any other archeological resource or artifact is not allowed (36 CFR 261.9 (h)) without a permit. Projectile points include 'arrowheads' and any prehistoric human-modified stone.

* You may collect reasonable amounts of specimens. Generally, a reasonable amount is up to 10 pounds.

** Commercial use is any trading, bartering, or selling of rocks and minerals from National Forest System Lands.

*** Searching for artifacts (man made objects) with metal detectors is discouraged, as any ancient or historical artifacts found may *not* be



Southwestern Region

Geology and Minerals

RECREATIONAL & HOBBY COLLECTING

Hobby Fossil Collecting | Recreational Mineral Collecting



Hobby Collecting of Fossils and Petrified Wood

Limited collection* of petrified wood and common invertebrate or plant fossils such as shells, leaf imprints, corals, etc., for personal use is allowed on most National Forest System lands. These materials may be collected without a permit provided the collecting is for personal, hobby, and noncommercial use. For other uses of this material, contact the local Forest Service Office.



Fossil (Paleontological) resource means any evidence of fossilized remains of multicellular invertebrate and vertebrate animals and multicellular plants, including imprints thereof (36 CFR 261.2). There are four major types of fossils: **ichnofossil** (a.k.a. imprint or trace fossil), **plant**, **invertebrate**, and **vertebrate**.

Ichnofossils (or trace fossils) are typically sedimentary structures consisting of a fossilized track, trail, burrow, or tube resulting from the life activities and behavior of an animal, such as a mark made by an invertebrate creeping, feeding, hiding, or resting on or in soft sediment. Some non-sedimentary examples include tooth marks (resulting from predation), skin impressions, and coprolites (fossil dung).

Fossil plants are the fossilized remains of all parts of a plant. **Petrified wood** is a common term used for wood fossilized by silica, where the woody structure is visible. A permit is not required to collect petrified wood for personal, hobby, and noncommercial use. A permit may be required to remove petrified wood from National Forest System Lands for non-personal, scientific, and commercial purposes**.



Invertebrate fossils are the fossilized remains of animals lacking a backbone. A few examples include: ammonites, trilobites, snails, clams, and insects. Invertebrate and plant fossils (including invertebrate and plant trace fossils) may be collected without a permit, from the surface without digging and for personal, hobby, educational, and noncommercial use only. A permit is required for research/scientific purposes.

Vertebrate fossils are the fossilized remains of any animal having a bony skeleton or backbone such as: fish (includes sharks and rays), amphibians, reptiles (including dinosaurs, mosasaurs, and turtles), birds, mammals, and all trace fossils from vertebrate animals, such as dinosaur tracks.

The collection and/or duplication of vertebrate fossils, including vertebrate trace fossils, from National Forest System Lands requires a permit (36 CFR 261.9 (i)). Permits are issued to qualified paleontologists and researchers who curate the fossils for scientific and educational purposes.

No permits for the collection of any fossils (plants, invertebrates, vertebrates, or any trace fossils) are issued for commercial purposes, except for petrified wood. Trading, bartering, or selling any fossil material (plants, invertebrates, vertebrates, or any trace fossils) removed from National Forest System lands is prohibited.

* You may collect reasonable amounts of specimens. Generally, a reasonable amount is up to 10 pounds.

** Commercial use is defined as any trading, bartering, or selling fossils or petrified wood from National Forest System lands.



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**



WMG&MC Library List:

California Gem Trails, California, Jade, Gem Trails of California, Mines of East Fork, Mines of the Mojave, Mines of San Bernardino, Romantic Heritage Of the Mojave River Valley, Where to Find Gold in Northern California,
Mineralogy of Arizona, Minerals of Arizona,

Ghost Town Directory of the West

Gem and Crystal Treasures, Handbook of Crystal and Mineral Collecting (2 copies), Midwest Gem Fossil and Mineral Trails,
Rocks and Minerals, Tourmaline

Advanced Cabochon Cutting, Lapidary Carving

Rock and Gem Magazine May 2009

Please contact Jan Pertruzzi (Librarian) to borrow any of the above.