

THE ROCKHOUND RECORD

Vol. 72, Issue 5

Newsletter for the Mineralogical Society of Arizona, May 2006

PRESIDENT

Gilbert Flores
(602) 300-4368

VICE PRESIDENT

WR Russ
(602) 684-7381
OR
(602) 923-7802

TREASURER

Sally Fiske
(623) 551-0882

SECRETARY

Lois Splendoria
(480) 813-3923

EDITOR

Lois Splendoria
(480) 813-3923

**MINERAL
CURATOR**

John McLaughlin
(623) 979-5246

**FIELD TRIP
COORDINATOR**

(Club Trips)
Gilbert Flores
(602) 300-4368

**FIELD TRIP
COORDINATOR**

(Coalition Trips)
Betty Deming
(602) 242-1553

**LIBRARIAN
DOOR PRIZES
HOSPITALITY**

Betty Deming
(602) 242-1553

REFRESHMENTS

Marc Watson
(602) 995-0633

STATUTORY AGENT

Paul Flores
(602) 957-6793

**BOARD OF
GOVERNORS**

Lynne Dyer
Terry Dyer
Bob Holm
KJ Werner

PAST PRESIDENT

Shirley Fiske
(623) 551-0882

Upcoming Program at MSA General Meeting

Friday, May 12, 2006

"Collecting around the Alaska Highway"

Presented by K. J. Werner

Now showing, through Sunday, May 28, at the Heard Museum - A one-man show featuring the pottery and jewelry of world renowned Hopi artisan, Charles Loloma. This display is on loan from the Wheelwright Museum and from private collectors and is an outstanding breathtaking assemblage of contemporary works in gold, silver, and precious stones that is incomparable. Price of admission is \$10 to the whole Museum. Any metal smith or lapidary will need at least a couple of hours just to view the Loloma works, which are in the Lovena Ohl Exhibit Gallery immediately east of the Central Courtyard and Museum Entrance and Pritzlaff Courtyard. There is a complete color catalog accompanying this exhibition available for purchase in the Museum Shop & Bookstore. The first Heard Museum exhibit on Charles Loloma was in the mid-1970's, when he was still alive. Metal and stonework are extraordinary: turquoise, charoite, lapis, coral, ivory, fossil ivory, bone, malachite, opal. All will simply bedazzle your eyes. Don't miss this once in a lifetime opportunity! The "secret" inside bracelet decorations are even more lavish than the beholder sees. *(Contributed by Pierre Cantou)*

**Dr. Frederick H. Pough, PhD
1906 – 2006**

By Carolyn Weinberger - Editor, AFMS Newsletter

Reprinted from the May 2006 American Federation Newsletter

Dr. Frederick H. Pough, distinguished mineralogist and author, has died at the age of 99 while attending the Rochester Mineral Symposium on April 7. Dr. Pough would have been 100 in June. He was excited about attending the Symposium, where he was to be regaled on his upcoming century mark. Shortly after arriving and chatting with a few participants, he suffered a heart attack and died shortly thereafter at the hospital. Medical professionals at the Symposium administered CPR until the EMT's arrived.

Although it's probably a good guess to say that most in the hobby never met Fred Pough, it's also probably a good guess to say that most have a copy of his "Field Guide to Rocks & Minerals" first published in 1953 and now in its fifth revision. During his long and illustrious career, Fred served as curator of the American Museum of Natural History in New York, and wrote numerous papers and articles on a wide variety of minerals. He was a micromounter and mineral collector as well as lecturer. After retiring from the American Museum, he moved west, last living in Reno, Nevada, before moving to Rochester, NY, to be near his children.

Fred never was involved directly in the AFMS, but he surely had a major influence on us all through his writings. He was a generous and terrific fellow with a keen mind and lovely sense of humor, and we'll all surely miss him. He is survived by his son and daughter, a brother and several grandchildren.

Contributions in Fred's memory can be made to the AFMS Scholarship Foundation, c/o of your local Scholarship Foundation Coordinator or mailed to Arlene Burkhalter, P. O. Box 1007, Choctaw, OK, 73020. (Be sure to indicate the name of your club and Federation so proper credit can be given.)

Upcoming Arizona Shows

May 6 & 7, 2006 - Kingman
Mohave County Gemstoners
Annual show, "**Gems of Arizona**"
Kingman Academy of Learning
3419 Harrison St.
Hours: May 6 - 9 a.m.-5 p.m.; May 7 - 9 a.m.-4 p.m.
Contact Dave (928) 692-3797 or Bill (928) 565-9586, tpatt2ts@unedspeed.net

May 27 & 28, 2006 - Pinetop-Lakeside
12th Annual Gem & Mineral Show
Blue Ridge Jr. High (Gymnasium & Café)
Sponsored by: White Mountain Gem & Mineral Club
Admission: \$2:00 for adults, students free
Hours: 9:00 a.m. - 5:00 p.m.
Show Chair: Sandra Angelo, P. O. Box 3504, Show Low, AZ, 85902, 928-537-2524
Parking: Free

Visit <http://www.admmr.state.az.us/showlst.htm>
For more show listings



*(Continued from Page 4 -
April 14 Meeting Minutes)*

Pierre said it is necessary to go to Burro Creek through Signal rather than through Suicide Wash. He said there is little or no maintenance on the roads up there. He also talked about some of the other places where he has collected.

Bob Holm said there is Pastelite at Alamo Lake Road. One of our visitors, Barbara Atkinson, who moved here recently from Washington, D.C., talked about what can be collected there.

Gilbert announced that Jim Ricker, of Tucson, will be having a yard sale on Saturday, April 22. Items include mineral specimens, cutting material, and deco material. Please call first at 520-954-2290.

There was no speaker at tonight's meeting, so those in attendance watched part of a video about the Lost Dutchman Mine. The raffle was held and the meeting was adjourned.

WELCOME

NEW MEMBERS!

Chris Sands and Stacey Harris
4336 West Rickenbacker Way
Chandler, AZ 85226
480-231-7630
csands9551@aol.com

Barbara Atkinson
602-323-4359
Barbara.Atkinson@kw.com

Joined April 14, 2006

ROSTER UPDATE

Bill Hunt
10800 North 115th Ave., Apt. 31
Youngtown, AZ 85363

It's Getting Tougher

By Peter Martin, *Mingus Gem & Mineral Club, Cottonwood, Arizona*

This is about experiences trying to rockhound in Arizona. It is a huge state and there are many excellent sites to visit. A new book listing the best sites in the state; ***Minerals, Fossils and Fluorescents of Arizona by Neil Bearce***, has details of 90 locations. Nevertheless we are under threat as authorities find it difficult to resist the temptation to control and tax, and corporations become less accommodating. From talking to other clubs it seems that there are similar threats in most of the other states in the Rocky Mountain Federation.

All has gone quiet on the topic of the ***America the Beautiful*** pass, no government utterances for some months. But it will be here by January. The various organizations who will share the proceeds need the money.

Phelps Dodge is the Fortune 500 corporation that owns most of the significant mineral leases in Arizona, a state where a high percentage of the acreage is forest, BLM or state land. A visit to the plush Phelps Dodge Tower in Phoenix gives you the chance to see both the BLM and Phelps Dodge at the same time, although not quite in the same manner. Dressed smartly but casually, one is welcomed into the BLM offices on the eighth floor, but in the same garb you get only as far as the Phelps Dodge reception area, where 'someone will come down to see you'. However, staff of both organizations are aware of the concern of the public about the two being cheek by jowl.

BLM will tell you that it was all approved by their contracts department in Denver and that they went out to tender, asking for offers from building owners, and the Phelps Dodge Tower offer was the best they got. Phelps Dodge will tell you that they do not actually own the building, despite its name blazoned across the front. Nevertheless it is a safe bet that they have some influence on the type of organizations who are allowed in; would the Sierra club be allowed to rent there? Is the rent low to accommodate BLM? Is there a quid pro quo involved, stated or otherwise, whereby Phelps Dodge might gain undue advantage in future dealings with the BLM? The middle management staff of both organizations claim to know nothing,

and decry any suggestion of such, but from their instant rebuttals it is clear that such implications have been voiced frequently before. The price of eternal rockhounding is continued vigilance; we and all the other organizations with an interest in continued use of public lands must keep watch.

I asked Phelps Dodge Community Relations Department for permission for our club to rockhound on Phelps Dodge properties in Arizona. Some are active copper mines, but numerous sites are no longer mined; just fenced and guarded. The following is an internal email sent by a PD executive;

"In the past (10 yrs. or so ago) Phelps Dodge would allow rock hunters/gold panners on some of our properties. In fact, some properties such as Copper Basin (Skull Valley) are still listed in books on rock hunting with the advice to call Phelps Dodge for permission and access. I get a call or two a month from people seeking access to Phelps Dodge lands. In recent years we have discontinued this practice, and we now discourage any recreational activities on our property. The reason is primarily liability, but also we have seen vandalism and a lack of respect for gates in cattle country. Even with a signed liability waiver, we are still exposed and could be held liable for damages, injury and death occurring on our property, and also forest fires in these dry years. My response to rock hunters is that we do not grant permission to access Phelps Dodge property, but there are plenty of nearby public lands administered by the Forest Service and Bureau of Land Management, and they should contact these agencies to determine their policies on rock hunting."

In other words, 'go away, you annoy us.' But let us put aside the emotive aspects and examine this statement for what it is. It is clear that the writer places all types of recreation in the same pigeon hole. There are vast differences between the activities of ATV riders, hunters, horse riders, church picnics and rockhounds. Some groups do make a mess of the countryside, some often leave

(Continued on Page 4)

(Continued from Page 3)

behind a lot of litter, some activities are followed by people without a lifetime of respect for nature and the land. But rockhounds do not fit into these categories. We often pick up other groups' litter and where is the location damaged by rockhounds? Rockhounds do not indulge in vandalism; we ensure that gates are left as we found them. We observe all fire regulations, and whereas ATVs and hunters use equipment liable to ignite fires, we do not. So the writer of this email has clearly misjudged rockhounds and rockhounding, and probably condemned us without ever being on a field trip.

The idea that there are '*nearby public lands*' on which we could rockhound shows a lack of understanding. Hunters, ATVs, riders, picnics could all do their thing on nearby lands with just as much enjoyment, but the reason we would like to visit PD properties is precisely the reason PD originally acquired those sites; that is where the interesting rocks are. They are not on nearby land, they are on PD sites.

Finally there is the liability issue. In the last 20 years or so corporations and government departments have become increasingly lazy and indifferent towards the community. They have made less effort to work with the communities where they operate and extract their profits. To hide this lack of effort they hide behind the liability issue. When the excuses for inaction don't really cut it, throw out the liability bit. So what is PD talking about here? In 2004 PD had worldwide sales of \$7,089,300,000. What exactly do they expect rockhounds to be claiming from them? And even if the waivers they would ask us to sign would be, they claim, useless, what dent would a claim for a broken leg make into that \$7,089,300,000?

Let us not be too harsh on Phelps Dodge. There are organizations whose charter demands that they serve the public, organizations such as USFS and BLM; they also take shelter behind the liability issue when it is convenient.

So come on Phelps Dodge. Rockhounds do not damage property nor start forest fires but do covet your sites as among the best spots to enjoy our hobby. And as to liability, how about coming on a field trip with us to see what a dangerous, destructive activity we indulge in? Meanwhile I still have over 70 of Neil Bearce's sites to explore, while we still can.

*Reprinted from the May 2006
Rocky Mountain Federation Newsletter*

General Meeting Minutes - April 14, 2006

By Lois Splendoria, MSA Secretary

The meeting was called to order by Gilbert Flores, Jr. Three visitors, Stan Wen and his son, Isaac, and Barbara Atkinson were welcomed to the meeting. Thank you to Marc Watson for bringing cookies and Easter eggs. Sally Fiske presented the Treasurer's report.

Bob Holm talked about his field trip to Fourth of July Peak to collect chalcedony. Gilbert announced that a field trip is planned for April or May to the Spectrum and Prism mines. The club also hopes to go to the Black Pearl mine, which requires four-wheel drive, sometime in the future. The group also discussed going to Mineral Mountain, but access would have to be granted ahead of time for us to go there.

Gilbert brought some mineral specimens to show the club, and Bob Holm brought some old maps of mine locations to show the club. Gilbert reported on the March 18 Swap Meet at Marc Watson's property and showed some glass fusion pieces, which he acquired from Chris Davis in trade for some of Gilbert's minerals. Gilbert suggested having another swap meet and work day in October of this year.

Pierre Cantou said there was such an overwhelming response for the April 22 Holbrook trip to the Petrified Forest that it now will cost \$50 per person to collect there. This trip was advertised on the Internet, and some people from out of state are planning to attend. He said it will even be necessary to bring in portable toilet facilities. Gilbert told about another place to find petrified wood more cheaply. Pierre told about his trip to Burro Creek last weekend.

(Continued on Page 2)

RX for Attracting New Members

By Ed Pederson

Reprinted from the May 2006 AFMS Newsletter
via CFMS (California Federation) Newsletter, February 2006

Two trends are prevalent in nearly every club: declining numbers and increasing age. Part of this decline is due to a "passing fad" (those with marginal interest drop out). Another part of the decline is due to "burn out" and some is due to members and/or clubs "getting in a rut" and dropping or de-emphasizing activities that attract new members.

To understand how the interests affect the type of new members acquired, we need to look at some generalizations about our hobby. The following statements are gross over-simplifications based on real and perceived attitudes of rockhounds and the general public:

- Mineral collecting is only for people with money.
- Lapidary work is the only part of rockhounding that you don't need a college degree for (the "I'm not smart enough to collect minerals or fossils" syndrome.)
- Lapidary work, especially faceting, takes a lot of expensive equipment and space.
- You have to be retired to have enough time to cut and polish rocks. (the most nearly true)

The net result of these attitudes is that many individuals who might be prospective club members are scared off. Combining this with a club structure and activities schedule determined by a club leadership composed mostly of older members (those willing to work and have the time) further reduces the chances of attracting new members.

According to my unofficial survey, the valuable and desirable new members are young adults and middle aged adults (ages 20-50). If this is true, a club effort to target these individuals is required. What factors are important to these individuals?

- A wide range of hobby activities (minerals, fossils, lapidary) and opportunity to learn (study groups, classes, field trips, etc.). Club meeting programs that are diverse and interesting.

- Club meeting times that fit the schedules of working people, especially those with smaller children.
- A minimum of work requirements.
- A maximum of field trips and other "exciting events."
- A minimum of club business conducted at meetings. Members come to visit and see the program, not hear something they can read in the newsletter.
- A strong emphasis on "show and tell" at meetings (display tables for before and after meeting discussions).

What are the best sources of new members of all ages?

- Club show
- Offering classes or study groups to the local community (senior centers, recreation agencies, parks, and recreation districts)
- Word of mouth
- Displays at schools, libraries, museums and visitor centers.

What about youth groups? Youth groups are a very worthwhile and satisfying activity, but will not contribute members. The youth members are a by-product, adults bringing their kids, not the other way around.

Did you know, agates were "duty free" in 1890

On Oct. 1, 1890, Congress enacted Chapter 1244, an Act to reduce the revenue and equalize duties on imports. On and after Oct. 6, 1890, unless otherwise specifically provided for in this act, there shall be levied, collected, and paid upon all articles herein contained, the rates of Duty which, by schedules and paragraphs, are respectively prescribed. On pages (26 Stat. 602, 603) is the "Free List," exempting articles when imported from duty: Sec. 2, 476, AGATES! Have you any heirlooms which may have arrived from, say Germany, duty free? Count your blessings for Uncle Sam's generosity! Especially after your April 15th tithings.

Contributed by Pierre Cantou

Arizona Rockhound and Tourist Information
Adapted from ADMMR Circular 92, April 2001, revised July 2005 - Version 1.1
By Diane Bain, Arizona Dept. of Mines and Mineral Resources

Reprinted from <http://www.admmr.state.az.us/rockhound.htm>

The department receives numerous requests for information on visiting Arizona's mines and mineral collecting sites. The following is a brief compilation listing sites for mine tours, mine overviews, gold panning areas, mineral museums, and a few of publications on mineral collecting.

We encourage you to visit the Arizona Mining and Mineral Museum. After viewing the excellent mineral collection, the Museum's reference materials may be used to obtain further information on mineral collecting in Arizona. **Field trip guides** to some of the State's many collecting areas may be reviewed or photocopied. Information on mines and mining may also be obtained from the Department's staff and library. You may also want to join a rock and gem earth science club in Arizona or visit an Arizona mineral show.

Rockhounding on BLM Land

Rockhounding in Arizona, a brochure produced by the Bureau of Land Management, summarizes the regulations for rockhounding on public lands. Briefly the regulations state that: "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." This brochure is available from any BLM office in Arizona, including the Arizona State Office at 1 N. Central Avenue, Phoenix, AZ 85004, Phone: 602-417-9200. The BLM's rockhound page, (<http://www.blm.gov/az/rockhnd.htm>) offers information on some specific areas including the Burro Creek Campground area northeast of Wickenburg, the Black Hills Rockhound area northeast of Safford and the Round Mountain area located southeast of Safford.

Operating Mine Tours

Bagdad Mine

http://www.phelpsdodge.com/AboutUs/WorldwideLocations/LocationDetails/USA_Arizona_Bagdad.htm

A major open pit copper/molybdenum mine operated by Phelps Dodge. The **Bagdad Mine** is two hours northwest of Phoenix. Free tours by appointment only. Phone: 928-633-3490.

Mission Mine and Mineral Discovery Center

http://www.mineralfdiscovery.com/frames/AMDC_Frameset.htm

Asarco, a subsidiary of Grupo Mexico, operates a free mineral discovery center that includes outdoor exhibits of mining equipment and offers one-hour mine tours of its Mission copper mine. Adults - \$6.00, Seniors \$5.00, Children - \$4.00. Group tour rates available. Located 15 miles south of Tucson on I-19 at Pima Mine Road.

Phone: 520-625-7513, Tour reservations: 520-625-8233.

(Continued on Page 7)

(Continued from Page 6)

Morenci Mine - Two and one half hour bus tour of one of the largest open pit mines in the world! Tours are offered Fridays and Saturdays at 9 a.m. and 1 p.m. Reservations are required. Admission fee charged. For **Morenci tour information:**
<http://www.phelpsdodge.com/Community-Environment/MorenciMineTour.htm>
or call toll free: 1-877-646-8687.

Operating Mine Overlooks

Morenci Mine - Located in eastern Arizona about an hour drive northeast of Safford on the scenic Coronado Trail, this site provides a spectacular view of Arizona's largest mining operation, the Phelps Dodge Morenci mine.
http://www.phelpsdodge.com/AboutUs/WorldwideLocations/LocationDetails/USA_Arizona_Morenci.htm

The **Morenci Mine**, the largest copper mine in the US, produces over 750 million pounds of copper a year and has moved over 1,000,000 tons in a day! The overlook is about five miles north of the town of Morenci on Highway 191.

Ray Mine - Approximately 85 miles east of Phoenix is the Asarco-owned **Ray Mine**, (<http://www.asarco.com/ray.html>) a major copper producer. Mining operations and equipment may be viewed here daily from 7 a.m. to 2 p.m. or until dusk. The overlook is located approximately 12 miles south of Superior on Highway 177.

Historic Mines

Aguila - Robson's Mining World. An old-time gold mining town offers an impressive collection of antique mining equipment, gold panning, bed and breakfast, and restaurant. Mon. - Fri. 10 a.m. - 4 p.m., Sat. and Sun. 8 a.m. - 6 p.m., Seasonal Oct. 1 - May 1. Six miles north of Aguila on Highway 71. Phone: 928-685-2609.

Bisbee - Tours are available of the famous underground **Copper Queen Mine** (<http://www.cityofbisbee.com/queenminetours.htm>) located at the colorful, historic mining town of Bisbee. The **Lavender Pit**, a large open pit copper mine may also be visited. Open 7 days a week. One-hour tours begin at 9:00 a.m., 10:30 a.m., 12:00 noon, 2:00 p.m., and 3:30 p.m.. Admission fee charged. Phone: 520-432-2071.

Oatman - Gold Road (<http://www.goldroadmine.com/>). Located in Arizona's richest gold district, San Francisco, has produced over 2 million ounces since 1870. During the 1990's the Gold Road mine produced nearly 100,000 ounces of gold. Closed since 1998, it now offers four levels of tours. Located on Route 66 two and a half miles east of Oatman. Phone: 928-768-1600.

Wickenburg - Vulture Mine (<http://www.jpc-training.com/pg06.htm>). The mine was discovered in 1863 by Henry Wickenburg. Take US 60 from Wickenburg about three miles to the west. Turn left on Vulture Mine Road at the Safeway shopping center and continue south on the paved road for about 12 miles. Call for current information about tour times. Phone: 602-859-2743.

(Continued on Page 8)

(Continued from Page 7)

Gold Panning

Lake Pleasant Park - Gold panning is allowed in the park, but not metal detecting or rockhounding. There is a nominal entrance fee. Twenty miles northwest of Phoenix on Castle Hot Springs Road.

Lynx Lake Area - This area has been set aside for recreational gold panning. Gold pans and hand tools may be used, but not mechanized equipment. No permit is required. From Highway 69 four miles east of Prescott, turn south on the Walker road (FS 197). The Lynx Lake turn off is approximately 3 miles on the left.

Mineral and Mining Museums

Apache Junction - Superstition Mountain Lost Dutchman Museum

<http://www.superstitionmountainmuseum.org/>

Includes exhibits on the geology of the area, military history, mining artifacts from the town of Goldfield, and, of course, an exhibit on Jacob Waltz and the Lost Dutchman Mine. Admission fee. Open Daily 9 a.m. - 4 p.m. Located at Goldfield Ghost town, four miles northeast of Apache Junction on the Apache Trail (State Route 88). Phone: 480-983-8888.

Bisbee - Bisbee Mining & Historical Museum

<http://www.bisbeemuseum.org/>

Displays on mining and life in this mining town at the turn of the century. Admission fee. 10 a.m. - 4 p.m. daily. 5 Copper Queen Plaza, Bisbee, AZ 85603. Phone: 520-432-7071

Flagstaff - Museum of Northern Arizona

<http://www.musnaz.org/>

A museum of the history and culture of the Colorado Plateau, displays include geologic models, fossils, and mineral specimens. Admission fee. Located three miles north of Flagstaff on U.S. Highway 180, Open daily 9 a.m. - 5 p.m., except Easter, Thanksgiving, Christmas, and New Year's Day. Phone: 928-774-5213

Phoenix - Arizona Mining and Mineral Museum

<http://www.admmr.state.az.us/musgen.htm>

Over 3,000 minerals on exhibit; highlighting the collection are the colorful minerals from Arizona's copper mines. Exhibits on the lapidary arts featuring gemstones, carved semi-precious bowls and spheres, well-known Arizona specimen localities, and fluorescent minerals. Open weekdays from 8 a.m. - 5 p.m., Saturdays from 11 a.m. - 4 p.m., closed Sundays and State holidays. Admission fee: \$2.00 for adults, children free. Located at 1502 West Washington, Phoenix, AZ 85007. Phone: 602-255-3795, Extension 10.

(Continued on Page 9)

(Continued from Page 8)

Tempe - Robert S. Dietz Museum of Geology - Arizona State University

<http://www-glg.la.asu.edu/resources/museum/museum.html>

Includes mineral displays as well as vertebrate fossils, a Foucault pendulum, and a working seismograph. Free admission. Monday through Friday, 9 a.m. - 12:00 noon. Located in ASU's Physical Sciences Complex, F-Wing. Phone: 480-965-7065

Tucson - Arizona-Sonora Desert Museum

<http://www.desertmuseum.org/>

This world-renown zoo and botanical garden also features a faux limestone cave, an exceptional collection of regional minerals, fossils, and geology exhibits. Admission fee. March - September: 7:30 a.m. - 5:00 p.m. October - February: 8:30 a.m. - 5:00 p.m. June-September open until 10:00 pm on Saturday nights. Located west of Tucson on 2021 N. Kinney Road, Tucson, AZ 85743-8918. Phone: 520-883-1380

Tucson - Asarco Mineral Discovery Center

<http://www.mineraldiscovery.com/>

Exhibits illustrate the deposition, extraction, and uses of copper. Hands-on exhibits, video theater, cactus garden, picnic area. Free admission. 15 mi. south of Tucson on I-19 at Pima Mine Road. Phone: 520-625-7513

Tucson - University of Arizona Mineral Museum

<http://www.geo.arizona.edu/minmus/>

Over 1,900 minerals on display as well as an additional 6,000+ micromount specimens. Admission fee. Monday – Saturday 9 a.m. – 5 p.m., Sunday 1 – 5 p.m. [through August 2006 - due to the renovation of the Science Center hours are Monday - Friday 9 a.m. - 5 p.m. by appointment only.] Located on the north east corner of University Boulevard and Cherry Avenue, on the University of Arizona campus in the Flandrau Science Center. Phone: 520-621-4227

Suggested Reading

- *Gem Trails of Arizona* by James Mitchell, Gem Guides Book Co., Baldwin Park, CA, 1995.
- *Geology of Arizona, 2nd edition* by Nations and Stump. Kendall/Hunt Publishing Company, Dubuque, IA, 1992.
- *Gold Panning in Arizona* by Diane Bain, Arizona Dept. of Mines and Mineral Resources, Phoenix, AZ, 1990.
- *Mineralogy of Arizona, 3rd edition* by Anthony, Williams, Bideaux, & Grant, University of Arizona Press, Tucson, AZ, 1995.
- *Minerals of Arizona* by Neil Bearce, Geoscience Press, Tucson, AZ, 1999.
- *Placer Gold Deposits of Arizona* by Maureen Johnson. The US Geological Survey's Bulletin 1355, reprinted by Del Oeste Press, Tarzana, CA, 1987.
- *Roadside Geology of Arizona* by Halka Chronic, Mountain Press Publishing Co., 1983.
- *Rockhounding Arizona* by Gerry Blair, Falcon Press, 1992.
- *Western Gem Hunters Atlas* by Cy Johnson & Son, Susanville, CA, 1994

LOIS SPLENDORIA
 MINERALOGICAL SOCIETY OF ARIZONA
 1502 West Washington
 Phoenix, AZ 85007

Address Correction Requested



EXCHANGE EDITORS:
 Please send all
 newsletters to the return
 address listed above.

**Mineralogical Society of Arizona
 Founded 1935
 A Non Profit Organization**

Purpose: To promote popular interest in the various Earth Sciences, and particularly the fields of Geology, Lapidary, Mineralogy, and related subjects. ID badges are available from the Treasurer.

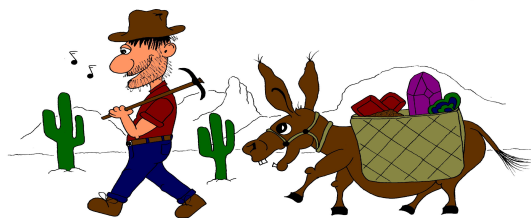
Meetings: 7:00 p.m. at the Arizona Mining and Mineral Museum, 1502 W. Washington, Phoenix, AZ, on the second Friday of the month, September through June (except February, which is the third Friday).

Dues: Families & Couples - \$20.00, Single Adults - \$12.00, Juniors (18 yrs. and under) - \$2.50. Please mail your dues to Sally Fiske, 42011 N. Astoria Way, Anthem, AZ, 85086.

Newsletter: Reprinting permission granted with proper credit given. The opinions expressed herein are not necessarily those of the Editor, or of the Board of Governors.

First Class Mail

UPCOMING MEETINGS IN 2006	
Saturday	May 6 Board of Governors Meeting 12 noon at the Museum
Friday	May 12
Friday	June 9



AFFILIATIONS

**Rocky Mountain Federation
 of Mineralogical Societies**

**American Federation
 of Mineralogical Societies**