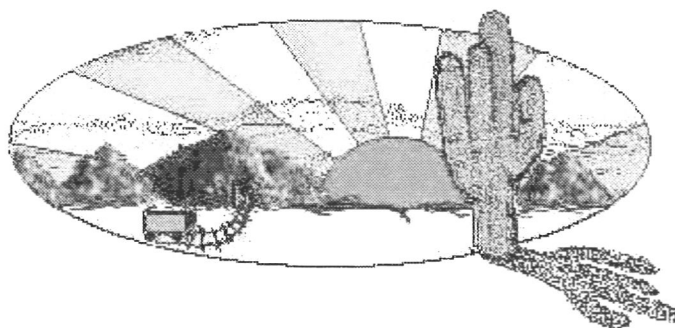


Arizona Mineral and Mining Museum Foundation News



Volume 18 Number 3

In Memory of A. L. Flagg

Summer 2008

The Arizona Mineral and Mining Museum Foundation was formed to support the Arizona Mining and Mineral Museum.

Foundation Collects at Bagdad Mine

Field Trip Chairman Chuck Kominski arranged for us to tour and collect at the Bagdad Mine on April 12, 2008, but he couldn't go with us. We met at the parking lot east of the Museum at 5:45 a.m. and headed for the mine office in downtown Bagdad.

After we signed a release form and donned safety glasses, hardhats and fluorescent vests, Brent Callen, the Chief Geologist, explained the hazards of entering a working mine.

We loaded everyone up in two company vans. Brent drove one van, and Robert Delgado, Tour Guide, retired miner and curator of the Bagdad Museum, drove the other to an overlook where the deep pit was visible. A lot of questions flew about how fast the trucks ran and when the next oxidized zone (with conichalcite, malachite, azurite and other beautiful copper minerals) would be excavated. Brent thought it might be in just a few years, so we should mark our calendars for a return trip then!

We hopped back in the vans and went to a pile of quartz monzonite that was set aside to keep the crusher running during shift changes. It was full of sparkly pyrite, but for the first hour or so of rock cracking, no really special crystals came to light. Then at the very smallest end of the stock pile a lucky collector found a boulder with a vein of pyrite showing on the surface. A few smacks of the crack hammer revealed beautiful iridescent bornite crystals on quartz with pyrite. Lots of people came up and cracked nearby rocks and found more nice crystals.

We drove to the geologists' office on site and saw many cool specimens there, including a prickly pear cactus turned to stone and many lovely copper minerals. Brent brought out specimens of molybdenite that had been collected by the previous Geologist and gave them to anyone interested.

Brent placed orders for lunch with the Steakhouse, and got enough hamburgers, steak salads, and chicken sandwiches for everyone. We picnicked at

(Continued on page 4)



Hi, All-
We will have our annual Flagg Show mailing night with pizza at 6 followed by getting all the Flagg Show material ready for mailing and a meeting when the work is finished.
Please come and help!

Ray

Join the Foundation

The Arizona Mineral and Mining Museum Foundation was formed to support the Arizona Mining and Mineral Museum. Over the years, many Benefactors have donated cherished collections, and though all are greatly appreciated, they can not all be displayed. We preserve what we can, and hold sales to allow others to add these treasures to their personal collections. The proceeds are used to acquire specimens and fund Museum projects.

Foundation Activities

The Foundation holds the Flagg Show each January at Mesa Community College, and hosts a Symposium each March on Arizona Minerals and Localities. A sale is held at the Museum in October in conjunction with The Museum Family Day. We go on field trips to working mines such as The Red Cloud, that might not be available to individual collectors.

Membership Application

Arizona Mineral & Mining Museum Foundation
(A Memorial to A. L. Flagg)

For \$25 you can be a member and will be entitled to:

- ⇒ A one year subscription to the Foundation newsletter.
- ⇒ Free Admission to the Museum
- ⇒ A 10% discount at the Museum store for the year.
- ⇒ Invitation and a discount for special Foundation events, including the Annual Symposium.
- ⇒ Admission to Members-Only Pre-Sale Showings.
- ⇒ Invitation to Field Trips.
- ⇒ A Foundation membership card.

Name _____

Address: _____

City: _____ State: _____

Zip _____

E-mail _____

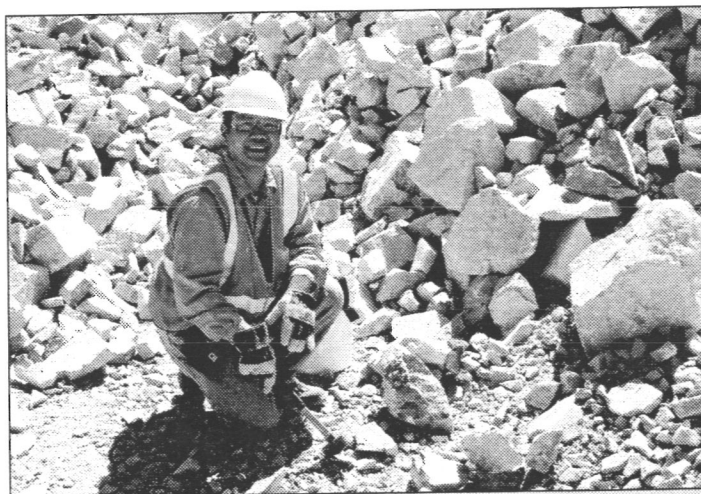
Phone: (____) _____

Interests: _____

Send This Form and \$25 To:
Arizona Mineral and Mining Museum Foundation
 (A Memorial to A.L. Flagg)
P.O. Box 41834
Mesa, AZ 85274

Upcoming Events

Regular Foundation Meeting Thurs., May 8, 2008 6:00 p.m. Pizza and Mailing night for the next Flagg Show	Arizona Mining and Mineral Museum 1502 W. Washington St.
Collection Committee Meets on the Fourth Tuesday of Each Month	Arizona Mining and Mineral Museum 1502 W. Washington St.
Museum Family Day - Saturday, October 18, 2008	Arizona Mining and Mineral Museum 1502 W. Washington St.
Flagg Gem and Mineral Show Friday, Saturday, Sunday, January 9, 10, and 11, 2009.	Mesa Community College
Seventeenth Annual Minerals of Arizona Symposium - Sat., March 21, 2009	Arizona Mining and Mineral Museum 1502 W. Washington St.



Harvey cracking rocks at the Bagdad Mine

March 2008 Regular Meeting Minutes (Draft)

Arizona Mineral and Mining Museum Foundation

March 13, 2008

Attendees: Lavone Archer, Pierre Cantou, Shirley Coté, Darrel Dodd, Doug Duffy, Robin Evans, Cynthia & Ray Grant, Genie & Jack Howell, Harvey Jong, Jan Rasmussen, Dana Slaughter, Bill Yedowitz

The meeting was called to order by Ray Grant.

A. Minutes of the Annual Meeting

Ray asked for additions or corrections to the draft Minutes as published in the Newsletter. No changes were suggested. Doug Duffy moved to accept the Minutes. Bill Yedowitz seconded the motion. The motion passed.

B. Treasurer's Report (Darrel Dodd)

Darrel reported on recent deposits to the checking account that included symposium registration fees. He pointed out a number of bills related to the symposium are coming up and asked for other new bills. Ray commented that he has been tracking symposium expenses and that the event is very close to break even with the current fees.

C. Committee Reports**1. Collection Committee (Bill Yedowitz)**

Bill mentioned that at the last meeting the committee selected around 50 minerals for the silent auctions at the symposium. He also indicated that he found an additional 7-8 pieces at the trailer. So, there should be a good assortment of specimens for the auctions. He cautioned, however, that without some new donations and/or buying a collection next year's symposium may be limited to only one auction. Ray suggested making an extra effort in soliciting donations of new minerals.

Bill pointed out that he rearranged cabinets in the Flagg Gallery and moved the large tourmaline specimen to a more prominent location. He announced the committee's next project will involve reviewing and organizing the old records stored in the file cabinets. There was some discussion on what items to keep and what should be discarded. Even though he will be unable to attend the March meeting, Bill encourages members to come and begin sorting the documents.

a. Next meeting Tuesday, Mar. 25 at the Museum, 6:45pm

2. Website: www.AZMinFun.com also www.flaggshow.info (Harvey Jong)

Harvey indicated no updates were posted on the website.

3. Newsletter (Steve Decker)

Steve was not present due to his work schedule, but Ray pointed out the importance of keeping the Newsletter mailing list up-to-date. He stated that Lavone is working very hard to maintain current addresses for members and that any changes should be forwarded to her.

4. Symposium - 2008 - Saturday, March 15

Ray mentioned that the food still needs to be ordered, but everything else is ready for the symposium on Saturday. He announced that no field trip has been scheduled for Sunday.

5. Field Trips (Chuck Kominski)

Chuck was unable to attend the meeting, so Ray summarized some of the on-going efforts and difficulties in organizing field trips to active mine sites. Bill mentioned that he talked to Chuck before the meeting and indicated that a trip to the Ray mine that had been planned for April has been postponed until the Fall. There was some discussion on a possible trip to the Bagdad mine. Given the high price of gas, concerns were expressed about collecting opportunities and the type of materials that might be found.

6. Flagg Show - 2009 (January 9, 10, 11)

Ray pointed out that show flyers are available and encouraged members to start distributing them. He described the decision to hold the show on the second weekend in January was based primarily on better publicity opportunities.

D. Old Business**1. Any old business**

Genie Howell asked about reviewing the list of Flagg Show activities that Lavone had compiled. Ray suggested having this discussion at the next meeting so that copies of the list could be made for members. He also announced that the dealer mailing will be prepared before the May meeting at 6pm. Pizza and soda will be provided.

E. New Business**1. Museum security and related improvements**

Jan Rasmussen presented some concerns about Museum security and the need to upgrade capabilities. She indicated that current security cameras are not sufficient for identification purposes, while the simple motion detectors/buzzers installed on the gold and jewelry cases are only a stop gap measure. She proposed adding a glass shocker system that detects glass breakage and triggers an alarm. The cost is estimated to be around \$5000-\$6000 for all the mineral cases.

2008 Annual Meeting Minutes (Draft)

(Continued from page 3)

Jan also described the need for some new doors for the cases. The current design requires two people and almost half day to make a simple change to a case. Adding a new door has been quoted at \$1000 per side, and modifying four cases would involve around \$9000.

Improvement plans are on hold given the current state budget crisis. Jan mentioned that gift shop funds for these projects have been frozen. She welcomed any fund donations, but recommended that the money be used directly towards a project.

Ray asked about whether the Volunteer Recognition dinner, which the Foundation always supports, will be held this year and if a few high value cases can be equipped with extra security. Jan indicated that the dinner will be scheduled in late April and that it is possible to do just the gold, silver and gemstone cases. The cost is about \$100 per case. There was additional discussion on monthly fees with the alarm company, security vendors, camera systems and placement, and possible contributions by the Foundation. Bill moved to donate \$3000 for museum security improvements. Dana seconded the motion. The motion passed.

2. Other new business

Darrel and Lavone suggested holding a pot luck event for officers, members, and their families at Encanto Park or a similar location. There was some discussion about a possible date/time, number of people, and how to notify members. May 4th around noon and e-mail notices were suggested. Pierre Cantou pointed out some possible fees/restrictions at Encanto Park and indicated that he would check into reservations.

Ray mentioned that he received a request from the Superstition Mountains/Lost Dutchman Museum in Apache Junction to loan the Peralta Stones for a special exhibit. There was some discussion on possible fees, insurance, security arrangements, access, and duration. Members concluded that a such loan may be considered if a specific proposal is provided that addresses the various concerns.

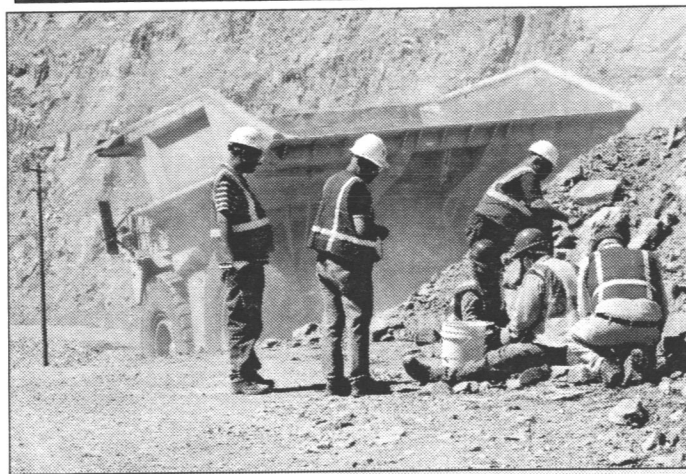
3. Next meeting - Thursday May 8

Adjournment

With no further business to discuss, Genie moved to adjourn the meeting, while Dana seconded the motion. The motion passed.

Respectfully submitted,
Harvey Jong, Secretary

Bagdad Mine Fieldtrip *(Continued from page 1)*



Nancy discovered the best bornite crystals in a big boulder of pyrite and quartz monzonite. Paul Jaeger photo.

(Continued from page 1)

the Community Center and enjoyed a great lunch. Bob invited us to see the Bagdad Museum and gave us the VIP Tour. He has some cool artifacts and mining equipment, and some minerals too. Many Thanks to Brent, Bob and Freeport MoRan for the informative tour and the outstanding hospitality!

After the museum tour, a few members went looking for the mysterious 7U7 Ranch and the type locality for Bermanite and Paulkerrite. The site consists of small dig in a pegmatite and is reported to be 7 miles south of Bagdad. No signs of this dig were encountered while they were hiking around the hills.

Other members headed off past Coors Lake to find the Hillside Mine. What a bumpy, scary cliff-side road that is! We had hitched a ride with Barry Hightower, who drove it like a pro, nice and slow. I didn't look over the edge.

(Continued on page 8)

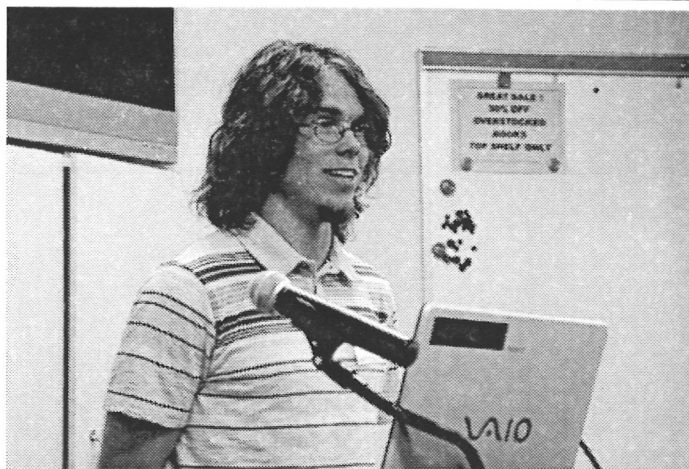


After the Bagdad Mine tour, the group enjoys a nice lunch complements of Freeport MoRan. We could get spoiled.

16th Annual Minerals of Arizona Symposium By Harvey Jong

The Sixteenth Annual Minerals of Arizona Symposium was held on Saturday, March 15th at the Arizona Mining and Mineral Museum. This successful event featured several interesting programs on minerals and mineral localities in and around Arizona. It also provided opportunities to socialize with old and new friends, bid on cool minerals, and enjoy some delicious food.

The morning session focused on Arizona localities and started with Les Presmyk's presentation on the Mammoth-St. Anthony mine. Les described the

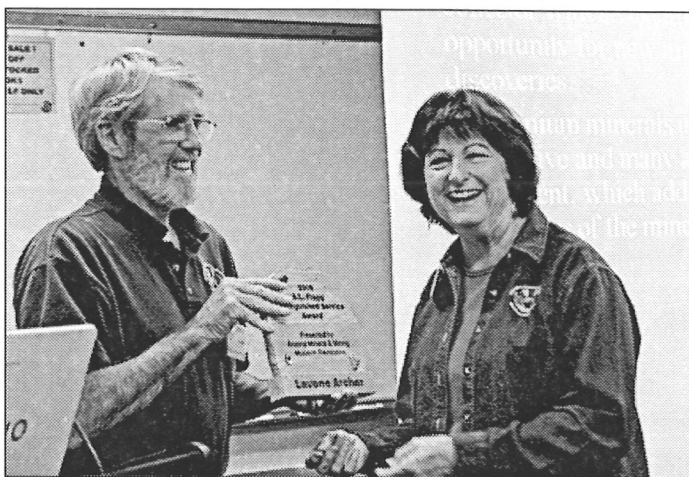


Kyle Eastman answers a few questions about quartz crystal inclusions.

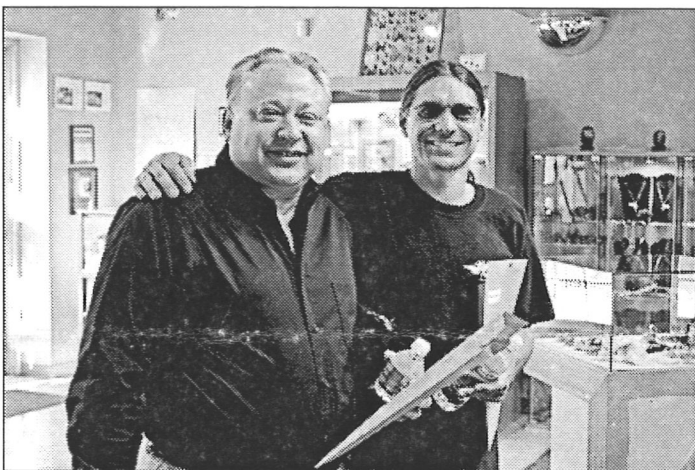
various types of uranium deposits and the different minerals that can be found in these formations.

Before adjourning for lunch, Ray Grant presented the A. L. Flagg Distinguished Service Award to Lavone Archer, the Foundation's reliable and ever helpful Corresponding Secretary. The award was specially decorated with barite crystals - Lavone's favorite mineral.

The lunch buffet was delicious and plentiful with two entrées, lots of veggies, salads, rolls, and yummy



Lavone Archer receives the 2008 A. L. Flagg Distinguished Service Award.



The Symposium's Men in Black—Marc Fleischer and Evan Jones pick up their proceedings packets.

history of the mine, shared some personal collecting experiences, and showed photos of some exceptional specimens from this classic location.

Anna Domitrovic followed with a comprehensive review of the mines and minerals of the Pima Mining District. She presented the district's geologic setting and provided information on recent large-scale mining operations as well as small historic sites.

Kyle Eastman, a NAU student who is studying geochemistry, presented some of his research on mineral inclusions in quartz crystals found near Crown King. He described the process of how the inclusions are formed and displayed photos of several micro minerals which included Arizona's first reported occurrence of bustamite.

Frank Kimbler, a geologist with the Arizona Department of Mines and Mineral Resources, shared his expertise on uranium in Arizona. He discussed the

desserts. A special note of thanks goes to Shirley Coté and Doug Duffy for making the catering arrangements and setting up the buffet.

The morning break included the first silent auction and a chance to socialize.

After lunch, Jim McGlasson talked about the history, minerals, and recent discoveries in Batopilas,

(Continued on page 6)

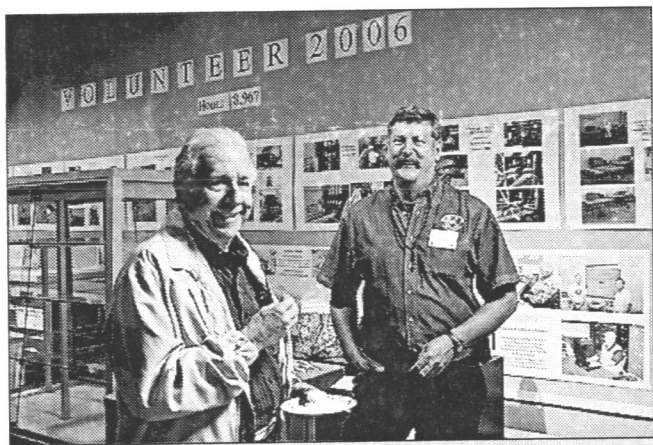
**Photos by
Harvey Jong**

Symposium of AZ Minerals (Continued from page 5)



Let the bidding begin!

Mexico. He described the adventures of getting to the rich silver deposits, the many incredible native silver specimens that have been collected, and the potential for future production.



Bob Jones and Bill Yedowitz chat and munch during the break.

Barbara Muntyan was another first-time speaker at the Symposium, but she is a long-time authority on Colorado minerals and localities. Using colorful, scenic slides, she provided a grand tour of the lesser known mines in Colorado's San Juan Mountains and the great mineral specimens collected from the



area.

Jan Rasmussen, the new Museum curator, delivered a program about her vision for improving the Museum. She described some exciting plans for new exhibits that will focus on the beauty and practicality of minerals and on modern mining.

Ray Grant closed the symposium with a short presentation on new Arizona minerals found since 1995. He showed diagrams of new minerals grouped by various attributes, such as chemistry and county, along with recent specimen photos.



Lots of good food was available at the symposium.

Erratum: The top left photo on the Symposium proceedings cover is incorrectly identified as wupatkiite from the Orphan mine. The University of Arizona's RRUFF Project recently posted microprobe, Raman spectroscopy, and x-ray diffraction data on samples from this location. Their analysis indicates that the mineral is actually halotrichite.

For more details, see:

<http://rruff.info/halotrichite/display=default R070673>

Barbara Muntyan shares her extensive knowledge of Colorado minerals.

***Photos by
Harvey Jong***

Chairman's Letter By Ray Grant

Volunteerism is alive and well in the United States. There have been many reports in the media about the increasing number of people volunteering in their communities. On April 12th, the Department of Mines and Mineral Resources and the Arizona Mining and Mineral Museum had their volunteer recognition banquet for the year 2007.

There were a total of 8,138 hours volunteered in 2007. There were over 130 people and seven schools that volunteered during the year. The hours volunteered per person ranged from two hours to over 500 hours during the year.

Doug Duffy, who was given a special recognition award by the Foundation, is the all time leader with a lifetime total of 13,340.5 hours. Next is Charlie Connell with a lifetime total of 9,170.75 hours. There are 17 people who have over 1,000 total hours.

If there were no volunteers, the Museum would not be as good as it is. They are responsible for many of the exhibits (especially the outside ones) and activities at the Museum.

Here are some of the jobs that volunteers have undertaken - **data entry, cataloging the photo collection, greeting visitors, serve as docents, assembling Treasure Bags to sell in the gift shop, constructing outside displays, preparing samples for and assembling Teachers' Kits, repairing cases and other items, developing and installing displays, cataloging technical data for Mine Information Center, cataloging specimens for the Museum collection, photographing the Museum col-**

lection, working in the gift shop, helping with Family Days activities, digitizing the photo collection, and many other activities.

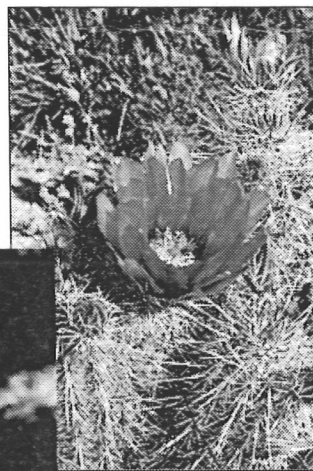
As you can see any hobby or skills that you have can be used. Skills in photography, carpentry, computer use, teaching, greeting and meeting people are all needed.

The state budget is being cut and there will be less Department funds for the Museum so your help can be used especially now. Even a few hours a month is a contribution.

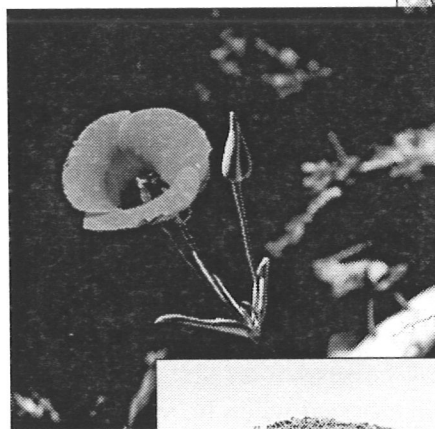
Hours to volunteer are Monday to Friday anytime from 8 a.m. to 5 p.m. and Saturdays from 11 a.m. to 4 p.m. If you are interested in volunteering, they will be glad to get you started. Just stop by the Museum or upstairs in the Mine Information Center and find out what you can do.

Go ahead try it, you might like it. Remember anyone who volunteers 100 hours or more per year gets a free membership in the Foundation and there is a nice recognition dinner every year for volunteers. See the photographs of this year's dinner in this issue.

While the exact whereabouts of the 7U7 Ranch locality remains unknown, lots of wild flowers were in bloom and offered a colorful consolation. Here is a desert mariposa.

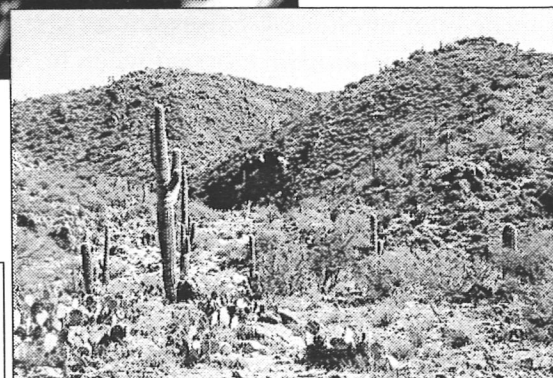


A large strawberry hedgehog cactus flower.



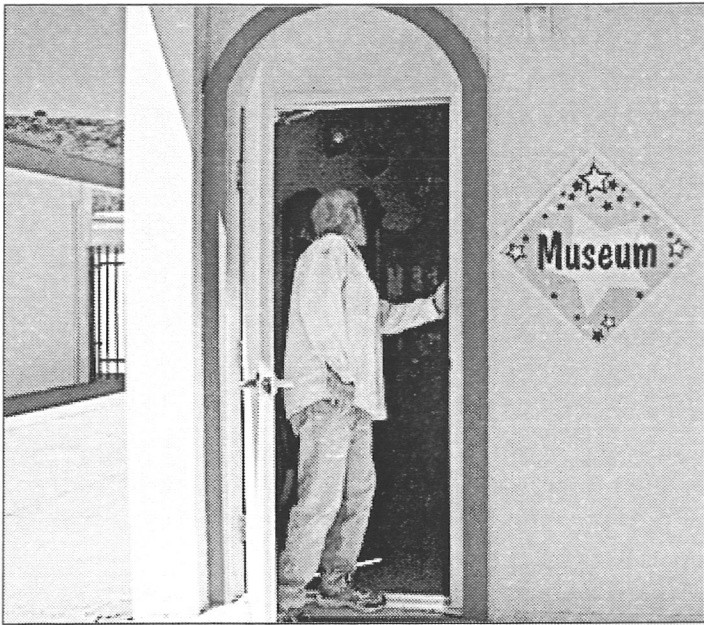
Here's the 7U7 Ranch, where's the pegmatite?

*Photos by
Harvey
Jong*



Steve and Ray leaning on an expensive piece of rubber.

Bagdad Mine Field Trip *(Continued from page 4)*



Ray checks out the Bagdad Museum.

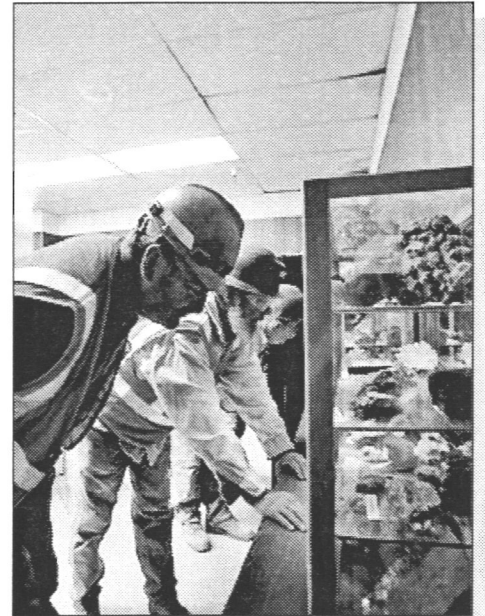


Judy points out an interesting artifact in the Bagdad Museum.

The group inspects the Heavy Equipment Shop at Bagdad Mine.



Bill, Ray and Steve admire the minerals in the Geologist's Office.



didn't show up soon. He never leaves a friend out in the outback, and we can take a lesson from that!

Thanks, Bill!

At the Hillside Mine we found some quartz crystals in the wall, but the folks who had been poking around down in the lower area said nothing much was to be found down there, and the creek had no life in it. One field-tripper had a Geiger counter and it made a lot of clicking noises.

On the way out, Bill stopped when he saw Neil take a side road, concerned that he might be lost, but it turned out that Neil had told some other folks he was going to visit a different mine.

As I said, Barry was driving slow and careful, and we were looking at everything interesting beside the road, so everyone else was way ahead of us.

When we got back to Coors Lake, we found Bill waiting for us, ready to go back looking for us if we



This flask attracted some attention with its clever decoration.

***Photos by
Harvey Jong
and Paul
Jaeger***

2008 Volunteer Recognition Banquet

by Harvey Jong

The Annual Volunteer Recognition Banquet of the Department of Mines and Mineral Resources/ Arizona Mining & Mineral Museum was held on April 12th. The event honored the various volunteers who contributed a total of 8,138 hours in 2007.



The Foundation and the Friends of the Arizona Mining & Mineral Museum donated funds for the delicious food served at the banquet.



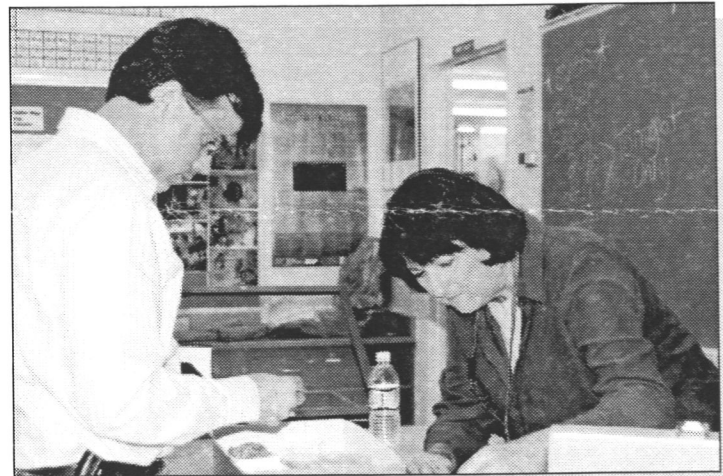
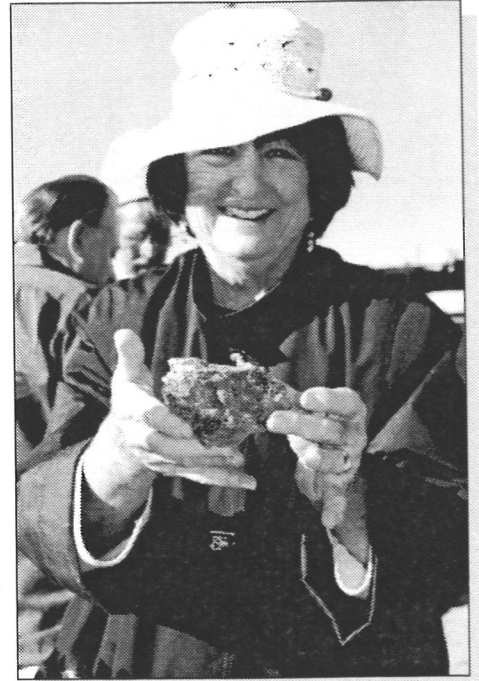
Jan Rasmussen was the master of ceremonies. She announced the names of volunteers and described their contributions. Twenty five people volunteered for more than 100 hours and received free Foundation memberships. Several individuals also reached milestones in cumulative volunteer hours and were presented with miniature rail awards.

Charlie Connell helped deliver the individual certificates of recognition. Volunteers also received an amethyst or pyrite specimen along with a tumbled stone keychain.

Lavone Archer Wins '08 A.L. Flagg Distinguished Service Award!

Here's Lavone with a new find.

Hey, Lavone, Congratulations on finally getting your much deserved award! Thanks for all your help with the newsletter!



Steve Kominski and Lavone at the Annual Flagg Show pre-sale.

Photos by Harvey Jong and Genie Howell

Charlie Connell helped deliver the certificates of recognition.





Foundation Officers

Chairman	Ray Grant
Vice-Chairman	Phil Richardson
Treasurer	Darrel Dodd
Secretary	Harvey Jong
Corresponding Secretary	Lavone Archer

This newsletter is published by the Arizona Mineral and Mining Museum Foundation.

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For Submission Information.

Address all other questions to our mailing address:

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Museum Foundation
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Mesa, AZ 85274

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