



## PACIFIC NORTHWEST CHAPTER BULLETIN

### ANNUAL CLEANUP AUGUST 11-13

Members of PNWFM will return to Washington Pass on the second weekend of August for the annual public service outing to clean up roadways and campgrounds in the area and to collect as a group the wonderful rare minerals of the Golden Horn batholith. This traditional affair is the highlight of the summer and has always been a great time!

Members will gather Friday evening at Klipchuck campground. Evening socializing often includes a trip out to blacklight collect the "rockslide" so bring a light if you have one. A loupe or scope is also helpful for viewing the many rare micro species of the area.

Saturday morning the club provides breakfast prepared by the chef in residence, Cheryl Burchim. Clean up will begin about 9am. This year we will be clipping vegetation around the bathrooms and trailheads in the area. Clippers, gloves, and bags will be provided. Work will end about noon when a chili lunch will be served up by our chef. The rest of

the day is free time for collecting. Usually the group breaks up into smaller groups to pursue different collecting opportunities. Everything from roadside collecting to high cliff climbing is possible. Minerals found include smoky quartz, zektzerite, zircon, arfsvedsonite, okanoganite, and a whole suite of rare and common accessory minerals. You are on your own for dinner as many don't return from collecting until late.

Sunday morning breakfast is again carefully prepared by Cheryl. Most members then head back out in search of productive pockets.

Six camping spots at the Klipchuck campground have been reserved free of charge for our group for Friday and Saturday. So far only 10 members have confirmed that they will attend, so there is plenty of room for additional campers. Contact Cheryl at 360-665-4379 to reserve your space. Tents, trailers, and motorhomes are welcome but space is limited for wheeled camping so call asap.

### GOLDEN OPENING AT RICE MUSEUM

PNWFM held its June general meeting at an open house hosted by the Rice Museum. Highlight of the event was the unveiling of the new gold exhibit featuring golds acquired from the Bancroft Collection. The general public was invited to tour the museum free for the day to view the opening. Among those in attendance was the current owner of the Ace of Diamonds Mine, producer of many of the fine golds displayed. Nearly a dozen collectors and dealers set up tables in the adjacent shop building to swap and sell minerals and cutting material. Despite the rainy weather and the Rose Festival distractions in Portland, there was a steady stream of people all day viewing the museum and visiting the dealers.

see Opening - page two

### Symposium 2000 - The Speakers

Nevada is chock full of good minerals, and narrowing down the subjects and potential speakers was difficult. We have another exciting program this year with leading experts who are also collectors and share our interests. All talks will be amply illustrated, and we expect a rich display of Nevada minerals.

*Walt Lombardo*, of the Nevada Division of Minerals, is also well known at mineral shows as a major dealer in books related to minerals, mining and geology. He is a sought-after speaker on Nevada's minerals. Walt, a collector himself, will give us an overview of why Nevada has such mineral wealth, and where, with an emphasis on collectable specimens. He will separately talk about the mineral-rich Goodsprings Mining District.

see Speakers - page three

## PRESIDENT'S MESSAGE

To all the PNWFM members who were disappointed that our chapter was not on the FM page in the Mineralogical Record. Sorry! The e-mail mixup has been solved and the information has now been forwarded to the magazine editor, so our chapter listing should be in the next issue.

I'm hopeful, at this point, that we have enough people confirmed for the Washington Pass Cleanup to make a successful outing. At last count we had 12. If you're not signed up to go, you're missing a great opportunity to "give back" to the out-of-doors a little compensation for all the opportunities we have to use nature for our mineral collecting activities. A couple of hours of cleanup work to say "thank you" for many successful mineral digs is a very good deal! It's also a way to show society that "field collectors" are really responsible people! IMAGE is important! Hope to see you on the weekend of August 11 - 13.

Symposium time is almost upon us and it looks like things are coming together pretty well. Be sure to get your room reservations made directly with the Days Inn, pack an extra specimen to donate for the auction, and plan to have a great time!

Sharleen

Nominations for the Noble Witt Award can be given to any Board member this month. The secret vote will be taken by the Board some time before the symposium. If you know someone you think is especially deserving get their name into consideration. Past winners are:

1993 - Mike Groben  
 1994 - Bob Smith  
 1995 - Norm Steele  
 1996 - Ray Lasmanis & Cheryl Burchim  
 1997 - Richard and Helen Rice  
 1998 - Arlene Handley  
 1999 - Bob Boggs

## Opening - from page one

A brief PNWFM business meeting was held in the museums meeting room. Business on the agenda included updates on the membership expansion program, a symposium report, updates on the search for a new symposium location for 2001, and the Washington Pass Cleanup. After business, Ray Lasmanis, Washington State Geologist, gave a slide show and talk on gold mining in Washington State. Members thoroughly enjoyed his presentation.

After the museum closed to the public the swap meet dealers and PNWFM members enjoyed an excellent catered barbecue, arranged by the Rice Museum. Although members were invited to camp overnight, the inclement weather put a dampener on this activity and the group dispersed to make their drives home.

Thanks to the Rice Museum and their staff and volunteers for hosting a well planned, well organized, and very enjoyable event!

## SYMPOSIUM COMMITTEE

John Cornish - Chairman

Bill Dameron - Speakers and Master of Ceremonies  
 Rudy Tschernich - Dealers  
 Sharleen Harvey - Displays  
 Karen Hinderman - Registrations and Auctions  
 Cheryl Burchim - Facility Contract  
 Gary Hinderman - Set-up and Audio Visual  
 Ray Hill - Micro Room  
 Bob Meyer - Competitions  
 Sharleen Harvey, Lanny Ream, John Cornish -  
 Publicity  
 Jim Etzwiler - Layout  
 Ray Lasmanis - Security  
 John Lindell - T-shirts

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 360-665-4379



# Rice Museum Report

by Rudy Tschernich

On June 10<sup>th</sup> many FM members attended the Gold Exhibit at the Rice Museum, participated in the mineral swap meet, attended the FM meeting, and the evening barbecue. All mineral collectors in the Pacific Northwest should be excited about the establishment of a real mineral museum in the Pacific Northwest that is so active in the mineral hobby. For many years some of us talked about a museum, wishing for one, hoping for one that would be funded by some one like Bill Gates or Paul Allen with unlimited money. Reality is that only one family in the Northwest had enough interest and money to really start it. Thanks goes to all of the extended Rice family who have donated so much of their time and money to start a mineral museum that we can now add to and improve.

The museum has a terrific base collection, land, house, out buildings, and some money to pay part of the operating expenses. The problem is a lot more money is needed so that it can be invested to generate enough interest to pay for all the operations. Purchase of new specimens is separate. That money comes from donations for that specific purpose. The Gold Collection would not have been possible but for a large donation from William Harvey. Other specimens that were purchased last year were from money generated from the sale of part of the Ruth Keen Collection. No more money exists for purchase of specimens without donations. We have all wanted a mineral museum. Now we have one. Lets all support it with money and minerals. The museum needs money to run. I encourage you to become a member of the museum. Please send in the attached form with dues or donations. That's a start.

A lot of things need to be changed at the museum. Signs on the highway and along the road are needed but are restricted due to zoning. Use of the house, garage, and out buildings for displays and sale of minerals are also restricted to zoning. Enlargement and expansion of existing building are subject to zoning. Many of these problem areas will be resolved in September, we hope in favor of the museum. The out building where the swap meet was held is planned to be finished with money from corporate grants. Displays of zeolites, quartz, and other northwest minerals are hoped to be housed there. Ten Federation cases have been obtained for displays. Anyone having extra Federation cases are encouraged to donate them to the museum. They will be put to good use.

The museum needs minerals. The Rices collected many beautiful and expensive minerals from all over the world. Most of which none of us could ever afford. What is lacking is Northwest Minerals. This is actually good for this is something we can contribute to the museum. Most mineral collectors in the Northwest have more minerals than money. Some of us have vast collections of specimens others just a few but all of us have a few specimens or even one that we collected that is exceptional. I would hope that each and everyone of us would donate that specimen or group of specimens to the Rice Museum to be viewed forever by people who love and appreciate minerals. I would hate to see some of our finest specimens sold to a dealer that would later sell that specimen to someone out of the region that would take it where none of us would ever see it again. When looking at your collection, make a list of the specimens you would like to donate and see that list is attached to your will and see that your family knows that you intend to give those specimens to the Rice Museum. Do this now, you do not have to get old in order to die, any of us can be killed in a car accident. There also comes a time when you can detach yourself from your collection and donate it before you die. In three years, I will retire. At that time, I plan to





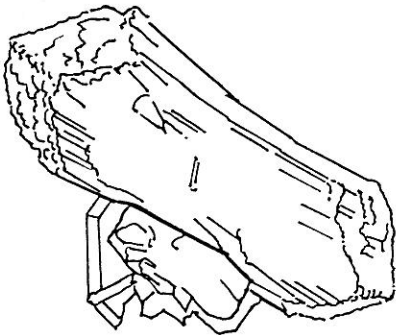
## Speakers - from page one

## SYMPOSIUM CHAIR REPORT

Plans for this years Symposium on the Minerals and Mines of Nevada continue to progress nicely. The varied Chairs selflessly devote their skills and time towards this endeavor and an exciting program continues to develop which will entice and astound. We are all very fortunate to have these fellow Friends of Mineralogy members working so hard on our behalf. Lets not have their efforts be in vain and lets all plan on attending this years great event. Send in those Registration Forms and if you're willing, send in the Exhibit Registration Form and sign up to be a Dealer either on the main floor or as a satellite. Bring you appetite for the terrific Lunch and Dinner functions and plan on entering the Competitions and bidding at the spirited Live and Silent auctions. Don't forget to visit the Micro Room also. You can't believe all the great things that are going on there. As I mentioned earlier we've got an exciting time planned.

This is our function of the year and it's final success is weighed in the enjoyment and participation of you, our fellow FM members. Please plan on attending and if I can be so bold, go a little crazy this year and bring a friend! Let's all do everything we can to make this year's Symposium our very best ever. Invite your family and friends. Tell the members of other clubs and groups of our Symposium and invite them to attend. Personally, I can't wait to see you there!

John Cornish, Symposium Chair



*Casey and Jane Koepp Jones* have a mineral and geo-instructional business, Geoprime, in California. Their agreements with active mining companies to cooperate in extracting specimens while advancing the interests of the companies as well as environmental and public concerns have brought us Flambeau, Wisconsin chalcocites and beautiful Nevada minerals. They will describe specimen recovery of barite and stibnite at the Murray mine and barite and calcite at the Meikle mine. It is possible they will also be able to tell us about another new venture for world-class specimens of a rarer mineral.

At our Pegmatite Symposium in 1997 we heard about Harvey Gordon's ongoing work at the Zapot claim, which offered a lot of promise. Immediately after our symposium last year Harvey hit probably the largest nice topazes ever found in the U.S., very sharp and gemmy smoky quartz, and some wonderful microclines (amazonites). *Art Soregaroli*, one of the best known senior mining executives to interface with the collecting community, works with Harvey in many of his ventures. He will give us an update on the Zapot, and also talk about Harvey's epidote site, the Lola (formerly Julie) claim.

At the present time we have lined up for the What's New in the Pacific Northwest session short presentations on the Rice Mineral Museum and its new Washington State gold collection (*Sharleen Harvey*), the new Pacific Mineral Museum in Vancouver, BC (*Mark Mauthner*), and microminerals (*Ray Hill*). If we have time, we have some other prospects to mine for this always-popular hour Sunday morning.

As usual, a full program!

The scheduled field trip weekend hosted by the Cornish's had to be cancelled. Unfortunately, not enough members set aside the weekend to make the outing. This is the members' loss, as John and Gloria had a full weekend of good collecting planned with localities new to most collectors. Hopefully this can be rescheduled in the future with firm commitments from club members and begs for forgiveness to the Cornish's.



## WASHINGTON GOLD

Slide presentation by Raymond Lasmanis to Pacific Northwest Chapter Friends of Mineralogy meeting June 10, 2000 at Rice Museum

Placer gold was first noted in Washington Territory by Captain George B. McClellan on the Yakima River in 1853. The first significant discovery of placer gold was made on the Similkameen River by a member of the Boundary Commission survey party in 1859. Although placer mining on a small scale has continued to this day, all significant gold production has come from hard rock lode mines. This presentation is a quick overview of gold mining developments in Washington State since 1896.

**1. Tacoma smelter-** first built in the 1880's before statehood; accepted direct shipping gold from throughout the Cascades and other locations in Washington state; in 1902 a copper blast furnace was added; the smelter closed permanently in 1985.

**2. Republic area-** on February 21, 1896 the north half of the Colville Indian Reservation was opened to staking. Gold bearing veins were already known to exist, so a staking rush ensued. The gold rush town of Eureka, later renamed Republic, was established in 1898. By 1902, two railroads had reached the Republic mining district in Ferry County in order to ship unprocessed gold ore to the Tacoma smelter.

**3. Knob Hill mine-** the mine, in the Republic mining district, started producing direct shipping ore in 1910; in 1937 the metallurgy was solved and a mill was built which continued operating until the last ore was extracted in 1995 from the Golden Promise vein system. Unlike the beautiful crystallized gold specimens from the Ace of Diamonds mine in the Liberty district, the very finely crystalline nature of Republic ore precluded the formation of specimens for collectors. The only exception was the high grade specimens of electrum that have been cut and polished. Also, I noted a nice specimen of barite crystals in the mine manager's office from the Knob Hill No. 2 shaft that reportedly was associated with a basalt dike deep in the mine.

**4. Knob Hill No. 2 head frame-** on June 24th, 1989, this shaft set a record that only a few mines in can claim in this country: on that date, the 2 millionth ounce of gold was hoisted from the No. 2 shaft.

**5. Hecla Mining Co. celebration-** to commemorate the event, Hecla put on a celebration for the miners, people of Republic, and invited guests. The long food line was impressive.

**6. Dignitaries on the podium-** Senator Scott Barr speaking and Senator Slade Gorton on the right, June 24, 1989, with the Knob Hill mill in the background.

**7. Cannon mine-** while the celebration was taking place in Republic, the Cannon mine at Wenatchee, Chelan County, was in full production. This gold mine was opened on July 15, 1985 on underground extensions of the Gold King mine. Low grade Gold King gold-silver ore was shipped directly to the Tacoma Smelter from 1949 to 1967. Then, from 1985 to 1994, Asamera Minerals mined and milled ore from the Cannon mine. Gold production peaked in Washington state in 1991 when both Republic and Wenatchee district mines were in full production. As with other precious metal mines in the state, the Cannon mine did not produce collector's specimens as the ore was too fine grained. Over 23 different species of gold-silver minerals have been identified from the Cannon mine by Guilbert, Skerl, Margolis, Roberts, and Bart Cannon.

**8. Republic Graben-** Echo Bay Minerals decided to explore the northern part of the Republic Graben for gold deposits that could be served by a centrally located mill. Curlew Lake, seen in this slide, is in the general area of the company's mineral holdings. They used all the exploration methods available including aeromagnetic maps published by the Geology & Earth Resources Division, Department of Natural Resources. Three ore bodies were discovered. Commercial production began in February, 1990, as the Kettle River Project, a joint venture between Echo Bay Minerals and Crown Resources Corp.

**9. Kettle River J.V. mill-** as seen in November, 1991.

10. **Kettle River J.V. mill**

11. **Kettle River J.V. mill-** grinding circuit.

12. **Overlook mine portal-** this was the main ore body and first to be placed in production. It is a blind deposit discovered by using Geology & Earth Resources aeromagnetic maps. The Overlook deposit was mined out in 1996.

13. **Key West open pit mine-** there were two small deposits mined by open pit methods. On the slide one can see concurrent reclamation. This mine and Key East have been mined out and now are fully reclaimed.

14. **Kettle mine-** located in the northern part of the Republic Graben, this was the next gold mine to be placed into production by the Kettle River J.V. Standing on the tractor are Karolyn Anderson, mine geologist, Walt Hunt, mine superintendent, and Bob Derkey, Geology & Earth Resources Div. geologist.

15. **Kettle mine portal-** access to the underground mine is by tractor using this portal. Slide taken November 6, 1991.

16. **Fluorite crystals-** these beautiful octahedral fluorite crystals were discovered in the Kettle mine by the mine surveyor Michelle Scott in 1990 from Draw Pocket 4, 1710 Sublevel, Main Vein. They are of the most incredible emerald green color but attempts by Terry Huizing and Jeff Scovil to capture the color were only partially successful. This particular specimen (#2597), from my collection, measures 1.0 by 2.2 cm. There are three other specimens known, the largest, obtained from the mine surveyor is in the collection of David Waisman. I am in the process of writing a short article in *Rocks and Minerals* magazine about this occurrence.

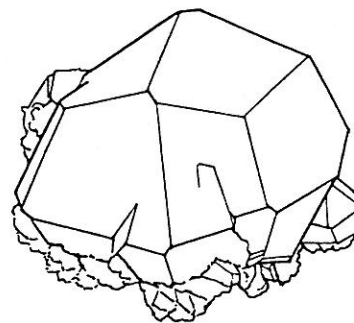
17. **Fluorite crystals-** another view of #2597.

Bill Harvey is progressing nicely on the FM donated case he's building for the Rice Museum. Major construction is done and the case is waiting for primer and the ordered glass. With careful use of materials and donated time, he is well under the budgeted amount for the project. The case should soon be in place and ready for its first rotating display.

18. **Lamefoot mine portal-** this was the next deposit placed in production by the Kettle River J.V. with development ore going to the mill starting in 1994.

19. **K-2 mine-** this mine, near the closed Kettle mine, is now, together with the Lamefoot mine, supplying all the gold ore to the central mill. Since the geology of K-2 is very similar to that of the Kettle mine, there is always a chance that emerald green fluorite crystals may surface again.

In conclusion, the recent increase in gold production in Washington State reached its peak in 1991 with over 300,000 oz. of gold produced. With the closing of the Cannon mine and the Republic Unit, there has been a steady decline with only the Kettle River J.V. operating. There was great optimism that Battle Mountain Gold would be able to place the Crown Jewel gold deposit in production. This deposit, located on Buckhorn Mtn. in Okanogan County, contains 1.6 million oz. of gold in 8.7 million tons of ore. It is a world-class deposit of the Hedley type: a skarn deposit with gold-bismuth-cobalt mineralogy. There was tremendous potential for specimens for Northwest collectors. Unfortunately, after spending millions for an Environmental Impact Statement and studies, receiving permits from the Federal government and the state Department of Ecology, only to see the company's plans evaporate as the Department of Interior reverses course and rescinds their permits. That was quickly followed by revocation of state Department of Ecology permits. It is no wonder that our mining industry has gone off shore.

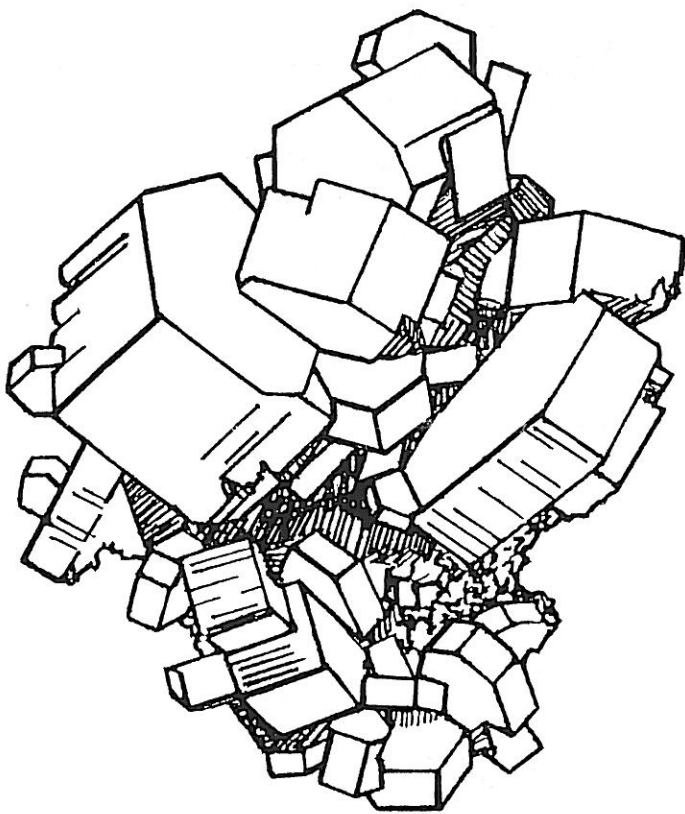


John Cornish is conducting a three day Field Seminar at O.P.I. this summer called Far Out Fossils, Crystals, and Minerals. Adults and children from around the U.S. will explore and collect from several areas for fossils and minerals and explore the area surrounding the Crescent Mine west of Lake Crescent.

## 2000 CALENDAR

August 11-13 - Washington Pass Clean-up. Group camping reserved at campground.

Sept 22-24 - Symposium 2000 at Day's Inn, Tacoma WA. Minerals and Mines of Nevada.



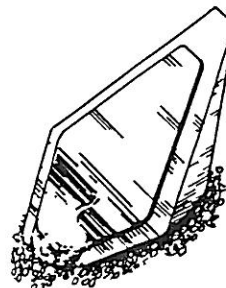
The team of Tschernich and Tschernich has had a busy and productive early season of collecting. The best of their finds has been the world class pink heulandite and mordenite from Idaho. Lanny Ream rediscovered this classic locality last year and has shared his site with the father/son team and others. They now have a claim on the site and hope to actively mine it next year. Look for the best of the material to be displayed at the upcoming Symposium.

Have you set aside something for the auction yet? This event is one of the main financial supports for the symposium and can't exist without your help. Plan on donating several things for the silent auctions along with something special for the main auction. If it doesn't hurt a little to part with it, it probably isn't quite good enough. This is your chance to show your generosity, support FM, and make some high bidder happy all at the same time. Set aside a small budget to bid on auction items. There are often some real steal deals to be had!

There is still case space available at the symposium. If you are willing to display some of your treasures please contact Sharleen Harvey at 26385 NW Groveland Drive, Hillsboro, OR 97124: 503-647-2418; [info@ricenwmuseum.org](mailto:info@ricenwmuseum.org). This year's theme is Nevada minerals but any well presented mineral display is appreciated.

If you plan to sell from your motel room at the symposium this year please contact Rudy Tschernich, 526 Ave A #A, Snohomish, WA 98290-2414; 360-568-2857; [rwtzeolite@cs.com](mailto:rwtzeolite@cs.com). Rudy will be assigning rooms on the dealer floor and needs to know that you wish a dealer room. Satellite dealers are asked for a donation of \$15 and a specimen for the FM benefit auction.

Make your motel reservations now for the symposium. They should be made directly with the Day's Inn in Tacoma at 253-475-5900. Mention Friends of Mineralogy when calling to receive specially negotiated room rates. Also, mention if you will be on Rudy's dealer list for prime selling rooms. FM will be organizing the dealer floor again this year and specific rooms can not be reserved with the motel.





# The Minerals and Mines of Nevada

Presented by the  
Pacific Northwest Chapter,  
Friends of Mineralogy  
September 22-24, 2000

## Friday, September 22

- 11:00am Begin set-up of displays and dealers
- 3:00pm Motel check-in begins
- 6:00pm Main floor opens to public
- 10:00pm Main floor closes

## Saturday, September 23

- 8:00am Main floor opens
- 9:00am Welcome and program introduction
- 9:15am Walt Lombardo - Mineralogy of Nevada
- 10:05am Break
- 10:30am Casey and Jane Jones - Specimen Recovery at Operating Mines: the Murray Mine
- 11:20am Break
- 12:00 noon FM Buffet Lunch
- 1:30pm Walt Lombardo - Mineralogy of the Goodsprings Mining District
- 2:20pm Break
- 2:45pm Casey and Jane Jones - Specimen Recovery at Operating Mines: the Meikle Mine
- 3:35pm Set up for dinner
- 4:45pm FM Benefit Auction
- 6:00pm Banquet
- 7:15pm Contest awards (at closing of banquet)
- 8:00pm Micro room opens and starts activities
- 10:00pm Main floor closes
- ? Room dealers and Micro room close

## Sunday, September 24

- 8:30am Main floor opens
- 9:00am Forum: What's new in the NW...
- 9:50am Break
- 10:00am Art Soregaroli - Update on the Zapot Claim; the Lola Claim
- 10:45am Break
- 11:00am PNWFM business meeting, awards and closing remarks
- 12:00noon Symposium closes

Days Inn  
6802 Tacoma Mall Blvd.  
Tacoma, Washington 98409  
(253) 475-5900

## REGISTRATION FORM

NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

### REGISTRATION-Includes Banquet:

Before September 8:  
\$38.00 x no. of registrants \_\_\_\_ = \_\_\_\_\_  
After September 8:  
\$45.00 x no. of registrants \_\_\_\_ = \_\_\_\_\_

### MEALS: (Include tax and gratuity)

Please note any dietary restrictions.

Additional banquet meals for guests  
not attending symposium meetings:

~~\$18.00~~ x number \_\_\_\_ = \_\_\_\_\_  
\$22.00

Saturday lunch:

~~\$8.50~~ x number \_\_\_\_ = \_\_\_\_\_  
\$12.50

### PNW CHAPTER FM DUES:

Unpaid 2000 dues: \$15.00 \_\_\_\_\_

Dues for 2001: \$15.00 \_\_\_\_\_

Yes, I will be a room dealer \_\_\_\_

\*\*Please see section on Satellite Dealers

Room Dealer Fee \$15.00 to be sent directly to  
Rudy Tschernich

Total Enclosed \_\_\_\_\_

Make checks payable to:  
"Friends of Mineralogy"  
c/o John Cornish  
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