



# Pacific Northwest Chapter Friends of Mineralogy

April 2006 Bulletin

## President's Message

It is a pleasure to serve as president of the NW FM again. Although there are some responsibilities with the job, there is also a bit of honor and glory. I am somewhat of a newcomer to mineralogy, having been mainly a fossil collector for most of my life and only started collecting minerals in the 1980s. I am now concentrating on minerals, mostly micros from certain localities, along with a few trilobite collecting trips. Both of these collections require a greater knowledge than the normal rock collector may have and yet I am sometimes (alright, most of the time) humbled by the majority of members of our group and their knowledge. This is good in that I have to learn more about the specimens in order to keep up with the more experienced members. I am sure that many of us feel this way, and in some way we all strive to learn.

For some members, collecting is the primary source of pleasure, while for other members the ability to describe the minerals and their associations is their "thing." Whatever the source, it all seems to come together whenever two or more FM members are together. This is the best of all worlds.

I am indebted to Aaron and Jade Wieting for their contributions, not only to the organization but to me personally for turning a "well oiled machine" over to me. I hope that I can keep up the good work. Thanks to Aaron and Jade.

While on the subject of thanks, I am grateful that Lanny Ream has volunteered to do the newsletter for our group. Please help Lanny by submitting articles and notices. Part of our focus as a FM chapter is to share our knowledge and experience for everyone.

Our first meeting will be at my home in Ferndale, Washington on April 30th at 1:00 PM. The next meeting is scheduled for the Rice Museum on June 10th at 10:00 AM. I hope to see many of you at both meetings.

Sincerely,  
Wes Gannaway, Chapter President

## Events

**Meeting - April 30 at Wes Gannaway's home, Ferndale, WA, 1:00 PM.**

**Meeting - June 10, at Rice Museum, 10:00 AM.**

**Washington Pass cleanup - 2nd weekend of August, contact Wes Gannaway 360-384-4209.**

**2006 Annual Symposium - October 20-22, at Red Lion Inn, Kelso, WA; theme: Minerals of South America.**

Pacific Northwest  
Chapter

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# Annual Symposium Meeting Minutes

Sunday, October 16, 2005

President, Aaron Wieting, called the meeting to order. Thirty-seven members were present.

## Reports

John Lindell, symposium contest chair, presented awards to Rob Woodside for the mineral identification contest, and Sue and Al Liebetrau for the best mineral display case and best galena specimen. Congratulations to the winners!

Aaron reported that the summer festival at the Rice Museum was a huge success. Mostly thanks to the donations of Aaron and Jade Wieting. Next year more members will need to step up and make donations and volunteer time. This is an excellent educational outreach for our club.

Treasurer, Bill Dameron, passed out a report to members. He commented that the balance was stable and reminded members to pay their dues.

ABC Project Coordinator, Lorna Goebel, presented the current status of the cases. She is still in need of prizes to give to students for the Bingo games and more minerals to fill more cases. Mineral donated need to be thumbnail size and high on the list are minerals that begin with the letters J, K, X, and Y. Donations may be brought to Arlene's store or mailed to Lorna. Also, volunteers are needed to display the ABC case at local shows.

Sharleen Harvey reported on the status of the symposium facilities. Total costs for hotel this year were \$4200. Next year prices are going up. This will reflect in an increase of 6-7% in the registration fees. The 2006 symposium is already booked for October 20-22. A vote resulted in the majority of members agreeing to return to Kelso Red Lion in 2007. A date is pending. A show of hands resulted in most agreeing that the second weekend of October was best.

## Old Business

Rice Museum Membership was a success and the club voted to renew our membership for the next year.

Jim Etzwiler reported on the status of the website ([www.pnwfm.org](http://www.pnwfm.org)). He is doing an excellent job as webmaster. He would like your suggestions. Any member may go to the website and print out an information sheet to display in cases at local shows. Great outreach idea!

Jim also reported on the Seattle Regional Show. He stated that the show is losing money and next year may be the last one. He also stated that our participation has fallen from 6 volunteers to one. Jim and Rusty deserve many thanks for upholding the PNWFM as representatives for Seattle Regional.

## New Business

A request was made from members for the bar to open at 5:30 pm before the banquet on Saturday evening. Also, that meetings be held in a variety of locations.

## Election of Officers for 2006 and 2007

President: Wes Gannaway  
Vice-President: Lorna Goebel  
Treasurer: Bill Dameron  
Secretary: Karen Hinderman

Before retiring to past-president, Aaron thanked everyone for all their support and efforts during his tenure. At this point newly elected President, Wes Gannaway took over and stated his goals as President: 1) continue to move forward 2) main emphasis on annual symposium 3) meetings with quality programs.

Meeting adjourned and another grand symposium comes to an end.

Karen Hinderman, Secretary

## Report from the President

The Northwest Chapter held their annual symposium on the weekend of October 14th, 2005, with about 90 persons attending. The theme was "Minerals of Mississippi Valley Type Deposits." The guest speakers were John Rakovan and Jesse Fisher. The symposium was opened on Saturday morning by outgoing chapter president Aaron Wieting. Ray Lasmanis, an author of the model for the MVT Deposits and a member of our chapter, gave a description of the MVT and the locations that fall within the category. John Rakovan gave a talk on the MVT subclass localities in New Mexico. Jesse Fisher then talked about the North Pennine Ore-field in Northern England. In the afternoon Ray gave a talk on the history of the Pine Point Mine in the Northwest Territories of Canada, followed by John Rakovan's discussion on the studies of color in minerals using fluorites from Bingham, New Mexico. The chapter's fabulous auction was held after the evening banquet. Several contests were held, including best self-collected,

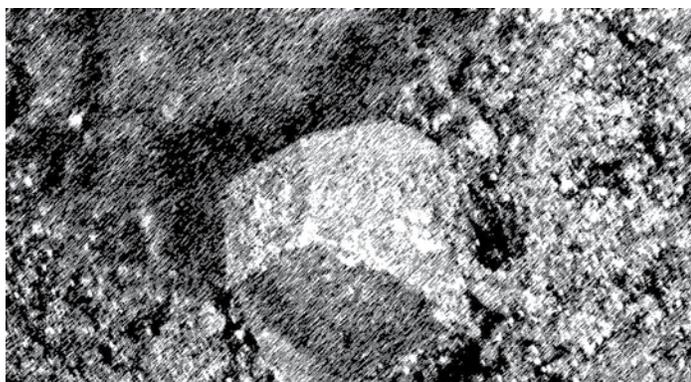
best display case, and mineral identification (you had to guess the species and probable location).

On Sunday morning Aaron Wieting gave an update on the minerals of Oregon, followed by a discussion of the mineralogy of Feldspars by Jesse Fisher. The symposium closed with a short business meeting and the election of some new officers of the chapter.

The Northwest Chapter of the Friends of Mineralogy will hold their 32nd annual symposium on October 20th, 21st, and 22nd, 2006, at the Red Lion Inn in Kelso, Washington, about 30 miles north of Portland, Oregon. The theme is on the minerals of South America. Two guest speakers are already set to speak at the symposium. Dr. Anthony Kampf is the curator of Mineral Sciences at the Museum of Natural History in Los Angeles. Geologist Scott Werschky, of the Miners Lunchbox in Reno, frequently travels to Peru to obtain specimens for his store. As usual, there will be several major mineral dealers on the main display floor with a number of satellite dealers in the guest rooms.

The annual Washington Pass cleanup for 2005 was somewhat of a disappointment due to a really low turnout. One explanation was that the date had been moved. The 2006 cleanup will be moved back to the second weekend of August. For more information contact Wes Gannaway at 360-384-4209. This is an opportunity for the species collector to get some really rare minerals, help the environment, and enjoy the fantastic views at Washington Pass.

The spring meeting of the Northwest Chapter of the Friends of Mineralogy will be held at the home of the Chapter President, Wes Gannaway (1604 Brookwood Drive, Ferndale Washington 98248. Light beige 2 story home with a large travel trailer in the yard). The business meeting will be followed by a show and tell of the Gannaway collection and a short program on the minerals of Gold Hill, Utah. This locality is slated to be closed in 2006. Mark 1 PM, April 30th on your calendar. See the map for directions.



**Wulfenite, 0.2mm, Gold Creek, near Drummond, Mont.**

## 2005 FM SYMPOSIUM DISPLAYS

Raymond Lasmanis  
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This year's theme was Mississippi Valley-Type Deposits (MVT). The members did a great job compiling minerals for display with a total of 18 cases (including the mineral identification case) representing a majority of the MVT districts. For those of you interested in statistics about Northwest collections, a break down follows: there were 10 cases, or 56%, with minerals from the Tri-State district; the Viburnum Trend mines of Missouri with 7 cases or 39%; third in popularity at 33% each were the Elmwood mine, TN and the Southern Illinois fluorite districts; three districts, fourth in popularity each, were Hansonburg Dist., NM, the Pend Oreille Mine, Metaline Falls, WA, and the Nanisivik mine, NWT; in fifth place we had Northern Pennines of England and Schullsburg, Wisc. with 17% of displays each; Pine Point, NWT and Rush, Ark. were represented in 11% of the cases; and, a scattering of individual specimens from other localities such as the Polaris mine, NWT.

Based on a vote of the attendees, the overwhelming favorite display at the symposium was by Al and Sue Liebetrau titled "Sweet Suites Fluorite." The case featured 23 specimens of fluorite ranging in size from 2"x3½" to 6"x12" from the MVT Illinois-Ky, TN, and Northern Pennines districts. The spectacular colorful yellow, pale blue, purple, and deep green cubic crystals had associated galena, sphalerite, quartz, and even siderite as from the Lee mine, Hardin Co., Ill. The most unusual specimen was a very thin 5" transparent purple cubic shell with the core of the crystal leached out but leaving spike remnants of fluorite extending out into the leached out crystal at a 45° angle from the corners of the intersecting cubic faces. This unusual specimen is from the Elwood mine, Carthage, Smith Co., TN. Congratulations, Al and Sue.

The best galena competition was also won by Al and Sue with a twinned galena crystal group from Dal' Negorsk district of Russia with 27 votes. Eighteen other galena crystal groups received votes indicating a range of personal preferences for what is a top galena specimen.

It is always a pleasure to see the outstanding specimens from the Bill and Diana Dameron collection. Their case was titled "A Mineral Gene Pool" – a play on the geologic use of the term "genetic" and the question: are Harding Co., Ill., Hansonburg, NM, and Northern Pennines deposits really MVT? The case contained 28 perfect MVT district specimens with of sphalerite, galena, marcasite, colorful fluorite, barite, calcite, and strontianite. There was linarite from the Blanchard mine, Bingham, NM and unusual white witherite crystals altering to barite on 2½" matrix, Nentberry Hagg's mine, Top Flats, Nenthead, Cumbria, England. The case also contained a 6" cubic shell of a partially leached out

fluorite crystal from the Elmwood mine similar to the one in the case by Al and Sue Liebetrau complete with the projecting spikes from the cube face intersections. The cutest specimen was a 1" x 1½" transparent purple cube encased in very pale blue transparent fluorite crystal, Minerva # 1 mine, Harding Co., Ill.

John Lindell put in a mineral identification competition case with 40 thumbnails. The case contained both common minerals from classic localities as well as the rare and obscure. It also contained five twinned crystals for which you had to name the twin law. The contest required naming the mineral(s), mine and/or location, state, and country. I did participate but must say that after the labels were posted, I felt embarrassed about the ones I missed. The winner was Rob Woodside with a score of 222 out of a possible 400. Thank you John for taking the time to present the competition case.

Nine large MVT specimens were displayed by Michael H. Croxell. There was calcite, sphalerite, galena specimens from the Tri-State district; a 12"x16" galena group coated by drusy quartz, Deardorff mine, Harding Co., Ill.; from the Schullsburg area, Wisc. a large marcasite crystal group and 1" galena crystals (Mineral Point); and, fluorite/galena from the Hansonburg District near Bingham, NM.

Raymond Lasmanis presented a case with specimens from all the major MVT districts and featuring Tri-State classics collected in the late 1930's by the well-known mineral dealer Bootle Lane of Joplin, MO. Ray obtained the specimens from his widow, Lois Fay Lane, on April 25, 1964. From the Tri-State district, the case included 2½" galena cubes with faces having small epitaxial octahedral galena crystals from Colvin collection (1930's/40's) to Jack White of Vancouver, BC, to White Estate at UBC, to Mark Mauthner (#429) collection, and finally to Ray L. (#2856). From Rush, Arkansas there were two self-collected specimens: smithsonite (#1129) collected September 1962 from the Monte Cristo mine and yellow Cd-rich smithsonite coating dolomite crystals (#1134) from the Philadelphia mine. From the Nanisivik mine, Baffin Island, NWT there was a large specimen of pyrite replacing marcasite crystals (#2967) collected by Gary Dyck. From Ray's teenage years the case had a 2½" transparent fluorite crystal (#528) collected August 14, 1956 from the Chippawa Canal dumps, Stratford, Ontario. From the Northwest, the case contained 3½" calcite crystals, Pend Oreille mine, Metaline Falls, WA (#1388) and collected by E.M. Pierpoint of BC during the early 1960's.

We were treated to an attractive and artistic presentation of native copper specimens by Jim and Rusty Etwiler. Localities from Michigan and Arizona were well represented including some smelter products. The case also included a sheet of native silver/copper from the Cashier mine, Montrose County, CO. The most unusual specimen was a copper cast after a miner's

pick point from Butte, MT.

Lorna Goebel put in two cases. The first showed the "ABC's of Minerals" project undertaken by FM Northwest Chapter (Lorna Goebel and Rusty Etwiler as representatives) and the Northwest Federation of Mineralogical Soc. (Toby Cozens and Marc Cimolino, representatives). The case had 26 thumbnail specimens in three sections: Mineral Bingo Game; Hands-on Specimen Set; and, Name the Mineral Game. The ABC's of Minerals is a resource that will be loaned by the Federation for use in classrooms and other education opportunities.

The second case by Lorna featured 30 galena thumbnails exhibiting various crystal forms including filiform galena from Guerrero mine, Mexico. The classic MVT localities were well represented. Others were the Burgin mine, E. Tintic Dist., UT; Leadville, CO; octahedral crystals from Olkusz mine, Bytom District (a MVT district) Upper Silesia, Poland; and, twinned crystal from the Nikahaskly mine, Dal'Negorsk, Primorskiy Kriy, Russia. From King County, Washington, the case had the following: lead ore, Russian Butte, Gifford Lakes, near North bend; ½" cubic galena crystals on chalcopryrite, Pedro Claim, Middle Fork Snoqualmie River; and, small galena cubes with pyrite, arsenopyrite, and chalcopryrite in quartz, Damon and Pythias mine, Money Creek District.

The case by Ray Hill featured minerals from what will become a new famous Northwest locality: the Bay Bag magnesite mine, Mount Brussilof, near Radium Hot Springs, B.C. Ray has both collected and acquired specimens from miners representing 26 years of activity at the mine. The case contained incredibly large, single, 7" to 10" rhombohedral dolomite crystals and white to transparent crystals on matrix; a 12"x 18" specimen of drusy calcite on huntite; massive magnesite coated by svanbergite crystals; 12"-long white quartz crystals coated by magnesite crystals; ½" octahedral pyrite crystals on 3½" matrix; orange aragonite and a white 1½" radiating spray; bladed 1½" magnesite crystals on matrix; and, fersmite micro crystals. Thank you Ray for bringing these incredible new Northwest specimens to the symposium and the attention of FM members.

The second case by Ray Hill contained 13 specimens from MVT deposits and other localities. There was the classic 3 galena cubes with epitaxial octahedral crystals, Tri-State district; deep green fluorite crystals from the Rogerley mine, Stanhope, Northern Pennines, England; two specimens from Dal'Negorsk region of Russia; fluorite from Madoc, Ontario; and, a single, large, 3"x 5"x6" barite crystal from the Garub mine, Russia.

Lee Riechel presented a case featuring a majority of the MVT districts including dolomite, chalcopryrite, galena and sphalerite from the Tri-State and specimens of calcite, marcasite, and galena from the Brushy Creek and Sweetwater mines of the Viburnum

Trend in Missouri. From the Elmwood mine, Carthage, Smith County, Tennessee, 1" to 3" hemispherical barite on fluorite, calcite crystals, and his center piece, dark sphalerite and fluorite crystals on 12"x 24" matrix. From Cave-in-Rock, Hardin Co., Ill. he had witherite and alstonite. From the Philadelphia mine, Rush, Arkansas the case had yellow, Cd-rich smithsonite coating dolomite crystals. From the Pend Oreille mine, Metaline Falls, WA, the display contained ½" calcite crystals on 4"x6" matrix.

Eighteen outstanding MVT district minerals were displayed by Wes Gannaway. The case contained a classic, 10"-long, stepped scalenohedral calcite crystal with a 3"x 4" calcite "scepter" head. The Viburnum Trend mines were well represented with marcasite from the Magmont mine; characteristic, dark-colored calcite from the Brushy Creek mine (#gm0998); galena from the #29 mine at Viburnum and galena crystals, from the West Fork mine (#gm0104). For the Tri-State district, the case had specimens of marcasite on galena (#gm0096) and calcite crystal (#gm1001). Included in the case were also fluorite crystals and sphalerite on drusy quartz from the Elmwood mine, TN. All three MVT districts in NWT, Canada were represented: galena crystals on sphalerite, Pine Point (#gm0044); small galena crystals on matrix, Polaris mine, Little Cornwallis Island; and a great selection of pyrite, marcasite, galena, dolomite, and calcite from the Nanasivik mine, Baffin Island.

From Sharleen Harvey we had a display of beautiful specimens from world-wide localities. There were specimens of smithsonite and cerussite from Namibia; lustrous vanadinite crystals from Los Lamentos, Mexico; and, 1½" phosgenite crystal in a vug from Monteponi, Sardinia, Italy. My favorite was the most intense green, translucent, 6"x 7" smithsonite specimen from the Kelly mine, Magdalena, NM. From MVT deposits, Sharleen had fluorite crystal groups from Rosiclare, Ill.; sphalerite from Carthage, TN; galena/sphalerite from the Tri-State District; and, a large, compound calcite crystal from the Pend Oreille mine, Metaline Falls, WA. Also from the Northwest, two specimens were displayed from the Bunker Hill mine, Kellogg, Idaho: ½" cerussite crystals on 2½" matrix and up to ½" clear anglesite crystals lining a vug.

Our outgoing President Aaron Wieting put in a case of self-collected specimens from Oregon. Since the material adds to our knowledge of Northwest minerals, I am going to take the liberty to describe all the material. By far, the most exciting new find being collected are the yellow-tan barites from Lookout Point (formerly as the Leo & Lois #1 claim), Lane County. The largest barite specimen on display, collected during 2004, was an 18"x18" plate of crystals with individuals up to 3" and 1" thick; also, there were three other matrix specimens in the case as well as seven single floater crystals up to 1"x2½"x3". The

surfaces of some barite crystals show a central phantom core. Garnets were represented by five ½" to 1" dodecahedral crystals from Aneroid Lake, Wallowa County and, four beautiful, lustrous dodecahedral ½" to 1½" crystals from Garnet Butte, Baker County. From the Gopher Valley quarry, Yamhill County the case had huge pale tan rhombic calcite crystals on matrix and a 3½" x 4" single crystal. The display also had calcite from a variety of locations: nearly black crystals on matrix with manganite and quartz epimorphs after 1" to 2½" calcite crystals from the Bohemia District, Lane County; and, 3" x 4" crystal from Dry Creek Road, Malheur County. Also on display from the Bohemia District there were 6" wide radiating bursts of stibnite needles in quartz. Oregon gold was shown from two localities: ½" specimen from the Black Jack mine, Galice District, Josephine County and a ½" specimen from Mormon Basin District, Baker/Malheur counties. There was chromite from the Celebration mine, Canyon Mountain complex, Grant County; a 4" x 4" specimen of ½" chalcopyrite crystals coated by drusy quartz, Blende Oro mine, North Santiam District, Marion County; and, three ½" to 1" sphalerite crystals, Red Heifer Pass, Quartzville District, Linn County. The most unusual mineral occurrence for fluorite was a specimen of petrified wood on which is perched a 1½" octahedral crystal from Black Butte, Malheur County.

Clark Niewendorp devoted his entire case to minerals from the Sweetwater mine (operated by the Doe Run Company) in the Viburnum Trend. The 23 outstanding specimens of galena, chalcopyrite and calcite form a great collection from one mine – not surprising as Clark was the mine geologist at the Sweetwater. Specimens that attracted my attention were: a gigantic, lustrous 8"x10" cubic galena crystal with octahedral modifications; up to 8" long calcite crystals; 1½" octahedral galena crystals on matrix.; and, a shiny, 1½"x 2" cubic galena crystal with epitaxial  $\frac{3}{8}$ " octahedral galena crystals formed on the cubic faces.

The Rice Northwest Museum of Rocks and Minerals presented two cases. The first featured new acquisitions. Donated by Rudy Tschernich, there were four specimens of the world's finest thomsonite with hemispheres up to 3" from India; a 12" x 12" specimen of lustrous 2½" to 3" orange scheelite crystals on muscovite crystals from China; and, a 3½" x 4" compound powellite crystal from the Sakur quarry, India. From the El Mochito mine, Las Vegas, Yajoa Region, Honduras, the case had a beautiful specimen of lustrous andradite, galena, and sphalerite crystals lining a 5" x 8" cavity. New additions to the Northwest collection were two specimens (#RM 5651 and #RM5655) with up to 2" brown barite crystals from the Pack Rat mine, Warren County, MT ; up to 1" barite crystals, Rock Creek Race Track, Jefferson County, MT (#RM5652); and, ½" wide and up to 1" long blades of hemimorphite on matrix with calcite and quartz,

Summit mine, Radersburg, Broadwater County, MT (#RM5657). The case also had an incredible new find of very lustrous, ½" to 1", acicular, brown vanadinite crystals in a 5" x 8" group from 200 Level, North Home mine, Radersburg, Broadwater County, MT (#5653).

The second case by the Rice Northwest Museum of Rocks and Minerals featured five MVT district specimens. From the Tri-State, there was a perfect 4" x 5" cubic galena crystal on dolomite matrix with epitaxial octahedral galena overgrowths, Joplin, MO (#RM1157). From adjacent Kansas, there were two specimens: marcasite crystals coating a 10" x 14" galena crystal group (#RM797) and beautiful, lustrous 2" x 2½" galena crystals on

5" x 8" matrix (#RM830). From the Pend Oreille mine, Metaline Falls, WA the case contained a 12"x 20" sheet of palygorskite (#RM3126, donated by Stan and Edith Heilman) and ½" to 1½" calcite crystals in a 6" x 7" group on palygorskite (#RM3126).

Rob Woodside displayed fifteen specimens of metallic minerals including a selection from MVT

districts. The most spectacular specimen in the case was rich native gold in quartz from the Parnour mine, Cochrane District, Ontario. Also from Canada, there was a very fine cubanite crystal on 2½" x 3" matrix, Henderson No. 2 mine, Chibougamau, Quebec. From the Tri-State, Rob had a very nice 2½" galena crystal, Midcontinent mine, Picher, OK and from the Elmwood mine, TN, large sphalerite crystals on dolomite. He also had some unusual mineral forms: a 4"-long curving pyrite stalactite from the Magmont mine, Viburnum Trend and a 4½" long curving marcasite stalactite from Schullsburg, Wisc. From NWT the case contained a very nice 3½" pyrite crystal group from the Main Level, Area 29 North, Nanasivik mine, Baffin Island.

Thank you, both individuals and Rudy of the Rice NW Museum of Rocks and Minerals, for contributing to the success of the symposium by submitting great exhibits.

## **Pacific Northwest Chapter Friends of Mineralogy**

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