



Pacific Northwest Chapter Friends of Mineralogy

December 2007 Bulletin

2007 FM SYMPOSIUM DISPLAYS

described by
Raymond Lasmanis

This year's theme was "Minerals of the Southwest U.S." Displays by participating members and guests exceeded everyone's expectations. In contacting collectors for displays, it became apparent that Southwest minerals comprise key sections of individual collections. Even though the theme of a case was left to each individual, we did not get one display of Northwest material. Thus, this review will be a condensed version compared to previous years where I tried to carefully document, as a matter of a historical record, Northwest minerals from individual collections. It is also interesting that the term "Southwest" was interpreted rather broadly with several cases featuring Colorado specimens while others focused on Arizona.

Rudy Tschernich presented "Recent Acquisitions" from the Rice NW Museum of Rocks and Minerals of Hillsboro, Oregon. The case contained seven large museum quality cabinet specimens from Peru, India, Elmwood Mine (Carthage, TN), and unique, tabular, 1" to 1½" galena crystals with quartz on 10" matrix from the Nikolaevskiy Mine, Dal'negorsk mining district, Primorskiy Krai, Russia.

Bill and Diana Dameron's display was a treat with very aesthetic colorful crystal specimen groups, many with association of barite, from localities from AZ, NM, NV, and Utah. The case contained the largest azurite rose I have ever seen- a 3½" double crystal group from the Copper Queen Mine, Bisbee, Cochise County, AZ.

Al and Sue Liebrau's case was titled "Sweet Suites- Minerals of the SW." The case contained beautiful thumbnail to cabinet-sized specimens from AZ, NM, NV, CA and CO. The center piece of the display was a very deep blue specimen of azurite from Bisbee, AZ.

Wes Gannaway featured "Minerals of Arizona." The case contained 13 self-collected thumbnail to cabinet-sized specimens from many of the well known localities throughout the state.

As in previous years, Lorna Goebel put in an educational case. This year it was titled "SW Type Locality Minerals" and contained micromount to thumbnail sized specimens from AZ, NM, NV, and Utah. There was a descriptive legend and some of the species were illustrated by photographs.

Bill and Sharleen Harvey brought Southwest minerals from their personal collection. There were 20 large specimens in total including a spectacular wulfenite specimen and an eye-catching 12" native copper specimen from Ajo, AZ.

**Pacific Northwest
Chapter**

**2008-2009
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Current NW Chapter of FM Schedule for 2008

Spring meeting: Bellingham,
April, 2008

Annual Washington Pass event:
August 8-10, 2008

2008 Mineral Symposium:
October 17-19, 2008

I really appreciate displays of specimens, artifacts, and photographs by John Lindell as they represent the best of self-collected material. The first case that John put in featured “Minerals of the 79 Mine, Arizona.” In my opinion, the 79 Mine hosts some of the most colorful and varied oxidation zone secondary minerals in AZ. John’s case reflected that with specimens collected underground annually from 2003 through 2007. The center piece was a 4" x 8" vug lined by very bright green aurichalcite. The 79 Mine is in the Banner mining district, near Hayden, Gila County. The second case submitted by John was “Minerals of the Veta Grande Mine, Arizona.” The case was nicely decorated with mementos from the Arizona desert and contained fabulous tabular hematite crystals from his 1991 discovery as well as associated 3" to 4" quartz crystals and other mineral species. The Veta Grande is located SW of Quartzsite, La Paz County.

Michael and Debbie Ausec presented a very attractive display of Colorado thumbnails. The case contained beautifully arranged crystal specimens from famous localities that many of us are familiar with.

Allan Young, one of our featured speakers, put in a case titled “Minerals of the Southwest.” The 3" specimens have been chosen for their perfection and complemented his presentation Sunday morning: “Thumbnails—Small is Beautiful.” His case contained excellent examples displayed on red Colorado sandstone from localities in AZ, NM, NV, CO, and Utah. The light green, flawless, topaz crystal from the Zapot Mine, near Hawthorne, Mineral County, NV was incredible.

As in previous years, Art Soregaroli treated us to a display that impressed every one in attendance. This year Art brought 36 key fluorite specimens exhibiting the range of colors, from perfectly clear to yellow, green, blue, purple, and all the colors in between. Some of the crystals showed color zonation. All of the famous localities were represented including a classic with ½" pink octahedral crystals on smoky quartz crystals from Switzerland (#S05.03).

Don Phillips presented a case titled “Minerals from Bisbee, Arizona.” Narratives explained the difference between primary and secondary minerals with 41 cabinet specimens illustrating contrasting sulfides with the colorful secondary minerals from the oxide zone such as azurite and malachite, for which Bisbee is known.

Ray Hill filled two cases with minerals from his collection. One case featured “Minerals of Australia” with 29 specimens from well known localities. The second case featured thumbnails from Southwest localities in NM, NV, and CO, including a very attractive gold specimen from the Eagle’s Nest Mine (Mystery Wind

Mine), Placer County, California.

Two cases were assembled by Ray Lasmanis with both featuring “Minerals of Arizona.” One case contained cabinet specimens and the other thumbnails. The cases contained self collected material, purchased specimens, and minerals that have been contributed to his collection by friends. The cases contained some old-time classics: a large scheelite crystal from the Cohen Mine, Dragoon Mountains, AZ. This specimen, along with some Bisbee material, was collected by Chuck Hubbard’s father, a mining engineer 1920-1930. Right after WW II, Chuck Hubbard married a distant relative of Ray Lasmanis and upon finding his interest in geology, gave all of his specimens to Ray when he was 14 years old. The cases also contained his 1991 find of beautiful wulfenite crystals from a stope at the bottom of the No. 1 Incline, Rowley Mine, north of Theba, Maricopa County. The center piece was a large specimen of lustrous 1" azurite crystals (#1963) collected c.1890 between the 200'-400' Levels, Czar Shaft, Bisbee. This specimen along with a small azurite rose (#1962) was in the collection of Captain Roderick James Marston (Victoria, B.C.) and after he died in 1933, placed in storage; later to be discovered by Joe Nagel and sold to R.L. in 1976.

Friends of Mineralogy members and guests appreciate the effort that all of the exhibitors demonstrated through their displays. They contributed towards the success of the 33rd Annual Pacific NW Chapter Mineralogy Symposium & Mineral Show, thank you all.

Barite Reference Web Site

Bill Dameron has created a website to serve as a locality reference for barite. The site has 400 photographs of barite specimens from worldwide locations that produce macro specimens of barite.

Visit: www.baritespecimenlocalities.org

PNWFM Meeting Minutes October 21, 2007

President Wes Gannaway called the meeting to order. Thirty-eight members were in attendance. Wes thanked everyone involved in making this another successful symposium; special thanks to George Gerhold, Al Liebetrau, our speakers, and the Red Lion crew.

Our current contract with the Red Lion continues through 2008. After discussion of options, MSP to extend contract to 2011. Due to increases in event insurance and hotel costs, symposium registration fees will increase by \$5.

Current slate of officers have agreed to remain for 2 more years. MSP to keep current officers. Treasurer's report received.

2008 Show – Al Liebetrau will be dealer chair. Dave Waisman will be speaker chair. Wes will ask George Gerhold to be show chair. Themes for 2008 were discussed and voted on: Canada with a possible topic of Yukon Phosphates. After further discussion, we tentatively agreed to a 2009 theme of Southern Africa minerals. It was suggested that we always have themes for next two years.

Outreach Programs: ABC program chair Lorna Goebel needs computer program help. She needs little bags of donations to give to primary students (crystals, pyrites, etc.). Lorna will be at the Everett show in February and the June Federation show in Ontario. Please offer any assistance you can to this valuable educational program.

Le Snelling has been working on a multimedia series called "The Knowledge Mine, Managing Your Mineral Collection." This is another outreach program which promotes Friends of Mineralogy and mineral collecting. This program could be used at local shows and local club meetings (not just rock and mineral clubs) such as boy scouts. This is another way to introduce young people into the earth sciences. He needs participation by knowledgeable members. Le needs ideas on how to obtain corporate funding or other funding, and he needs speakers and presenters. Contact Le if you can help. After discussion, MSP to reimburse Le for out of pocket expenses. Le will write an article for the newsletter to further explain this program and his needs.

Seattle Regional Show – Jim Etwiler reported on the 52nd Annual Seattle Regional Show which was in September. He reported that this is probably the last show due to lack of funds.

Portland Regional Show – We discussed that our

Livingston Pit Clark County, Washington

For collectors of Northwest zeolites, there are challenges in keeping locality documentation as specific as possible. For instance, confusion has resulted from two Kennedy Creek quarries in Doty Hills of Lewis County—one operated by the Department of Natural Resources and the other by Weyerhaeuser.

Recent developments in Clark County could cause similar labeling problems. The long dormant Livingston Pit (so named in the lease documents) on Department of Natural Resources land has been recently leased to Clark County Public Works. No mining is taking place there at this time while they reapply for revised reclamation permits. The Livingston Pit is at the end of NE 262nd Ave. in the SE $\frac{1}{4}$ of the NW $\frac{1}{4}$, Section 11, Township 2 N., Range 3 E.

Immediately to the east and adjacent to the Livingston Pit, Tower Rock Products has opened the Livingston Mountain Quarry on private property. At this time the quarry is approximately 1.5 acres in extent and contains drusy quartz, mesolite crystals, stilbite crystals, and heulandite crystals. The Livingston Mountain Quarry is located in the SW $\frac{1}{4}$ of the NE $\frac{1}{4}$, Section 11, Township 2 N., Range 3 E. This quarry is also going through the permitting process.

Raymond Lasmanis
November 19, 2007

group should have a case and brochures at this show annually.

Brochures and Flyers – Club information should be available all year to educate the public about our organization and by June to announce our annual symposium. Look at web page to find flyers for printing and taking to local shows.

Allan Young is working with the College of Idaho on a museum that would feature some old Butte material and Bisbee material. John Cornish reported that he has written several stories of his adventures in collecting. To receive these stories, email John.

Meeting adjourned.
Karen Hinderman, Secretary

Report PNW Chapter of FM

Our 33rd Symposium and Annual Meeting was held on October 19-21 2007 in Kelso, Washington, just north of Portland, Oregon. The theme was "Minerals of the Southwest." Fifteen members and the Rice Mineral Museum of Hillsboro, Oregon, set up displays of minerals, all of first class quality and many representing the theme. Our guest speakers were Joe Marty of Salt Lake City, Utah; Virgil Leuth of the New Mexico School of Mines in Socorro and National FM President; and Allan Young, chapter member from Boise, Idaho. Bill Dameron, our chapter treasurer and past National President of FM, chaired the sessions. At the traditional Saturday night banquet the auction brought in around \$1,600 (including the earlier silent auctions). Bill Dameron received the Noble Witt Award, presented most but not all years to a member to recognize sustained service to the chapter. There were 74 registrants at the symposium out of about 91 members and some 80 people at the banquet.

One of our members, Le Snelling, gave a presentation at the meeting on a new educational project sponsored by the chapter that would be an outreach program for other groups which are active in rock-hounding and mineral collecting. The program would provide information for beginning and aspiring collectors on such topics as cleaning, labeling, cataloguing and caring for specimens. The chapter agreed to purchase its own digital projector for this project and for use at future symposiums. Another ongoing program, chaired by Lorna Goebel, is an introduction to minerals called "Mineral ABCs," aimed at school-age groups. Mineral samples from A to Z arouse the students interest, and after the programs are presented to the students the school gets to keep a kit which contains a CD and several mineral specimens.

The annual trip to Washington Pass was a success again this past August with several chapter members participating in the breaking up of an amazonite boulder at the milepost 164 locality. We split up a number of nice pockets with some of the rarest minerals from the batholith. We are all eagerly awaiting the next outing in August of 2008. If you are interested in joining us, please check our website for more information: www.pnwfm.org

Wes Gannaway, President

President's Message

Another new year and hopefully I will get to do all of the things that I wanted to do last year. Time flies... I am in the middle of doing some home projects that I was supposed to do last winter.

I am looking forward to the Southern California Micromounter's meeting at the end of this month. I hope to get some serious collecting done while in that area. So many of the localities are now closed, especially in Arizona and parts of Nevada and Utah. The underground workings of the Gold Hill mine in Tooele County, Utah were closed this past summer. I hope everyone has a nice austinite or connellite specimen from this locality. The carminites were also world class.

I am planning on being at our annual get together at Washington Pass this August 8th, 9th, and 10th.

The next PNWFM meeting will be held at Bellingham sometime in April. Keep an eye on our web page for more announcements. Hopefully a few of our members from Canada will be in attendance in line with our symposium theme.

Wes Gannaway, President

Art Soregaroli Donation

Art Soregaroli is a long-time PNW FM Chapter member and has also been on the Board of Directors of the National Friends of Mineralogy and The Mineralogical Record for many years. The Chapter would like to thank Art for a donation of \$200 to the Chapter in 2007 as a gesture of support for "work well done."

Bill Dameron, Treasurer

2008 Symposium

PNW Chapter Friends of Mineralogy

Minerals of Canada

October 17-19, 2008

Red Lion Inn, Kelso Washington

Pyrite near Sulzer Prince of Wales Island, Alaska

Sulzer pyrite

Continuing my exploration of Prince of Wales Island in Southeast Alaska, I spent a little time driving to remote areas of the island in May and June of 2007. One area I was interested in getting too, was the area across Hetta Inlet, north of Green Monster Mountain.

Doug Toland had mentioned that there may be skarns in that area; skarns had been reported on Gould Island, which is in the inlet. Sulzer, now abandoned, was a logging town on the north side of the inlet, about 4.5 miles northwest of Green Monster Mountain. I did not know if it was accessible or not. The land is part of one of the Alaska Native groups corporation land blocks. Most of these lands are closed, the roads are gated and posted, but some are open. To make access more difficult, along these inlets, much of the logging was done from the salt-water and the logging roads in these blocks often do not connect to the logging roads accessible from the main roads on the island. It's frustrating to look on a map and see the road around the inlets come within $\frac{1}{4}$ mile or less of the open roads of the island, but not connect!

One day I drove from Craig towards Hydaburg and took the Polk Inlet road easterly then followed the logging roads southerly towards Sulzer. The past winter had been a wet one in the region, there was much more snow than typical. At this time in late spring, the mountain tops were mostly pure white with deep snows. They looked more like what one would expect in late winter, not late spring.

To my surprise, I was able to drive to Sulzer; there were no gates, no signs, and the road was in good condition. In my exploration mood, I continued past Sulzer for about one mile before the road began to get narrow, overgrown with alder and began to show signs of deterioration. At this time, it was on a steep slope above Hetta Inlet, and if the road should become impassable, it would make for a long distance of backing out on a narrow road with a lot of air between me and saltwater. I drove no further; backed up to a spot I could turn around in and drove down to Sulzer for lunch.

The views were spectacular, and I was that close to



Pyrite with thin goethite coating, near Sulzer, Prince of Wales Island, Alaska; crystal is 5 mm across.

Green Monster with all those epidotes. It felt good to be there, but actually, I couldn't even see Green Monster Mountain. From Sulzer, it is hiding behind Billie Mountain and Mount Jumbo. Yet, I knew it was there!

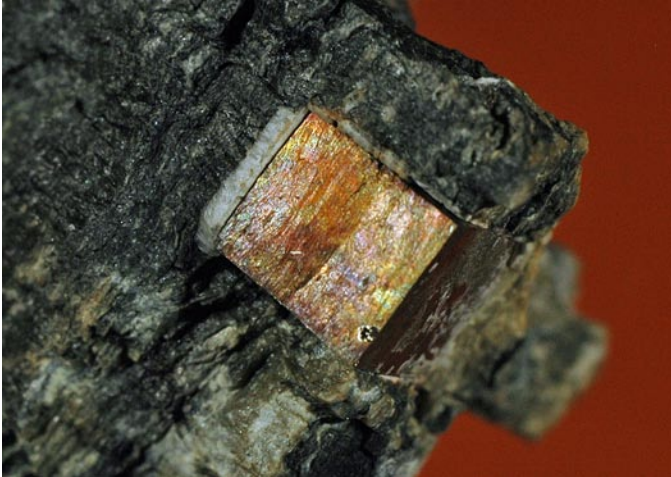
In this area, I saw no indications of skarn, only a black fine grained metamorphic rock that was phyllitic in some areas, a fine grained diopside or epidote rich rock (common on the island) and limestone.



View southerly across Hetta Inlet from about 1 mile east of Sulzer, Alaska. Gould Island is in the center foreground. Billie Mountain is on the left and Mount Jumbo on the right. Green Monster Mountain is out of sight located to the left and behind Billie Mountain.

With one exception, in a small quarry alongside the road that I passed a few miles back, there were quartz veins and small pyrite cubes in phyllite in the black metamorphic rock.

After lunch, I decided to stop at that quarry on the



Pyrite, near Sulzer, Prince of Wales Island, Alaska; crystal is 7 mm across, note the fibrous quartz around the pyrite crystal.

way out and see if more searching would turn up any crystals larger than about 1/8 inch that I'd seen when I looked on the way in.

My search was successful, there was one large boulder that had pyrite up to nearly an inch across. The larger crystals were oxidized and crumbling apart, but in other areas in the rock, sometimes in the quartz veins and sometimes scattered through small areas of the phyllite, there were sharp cubes up to about 1/2 inch across.

I spent some time chiseling on this rock and was able to obtain a few pieces with complete crystals in matrix. They are small, as pyrite goes, but nice matrix pieces from a previously unreported occurrence in Alaska. It was a good day, but after this, I had to go back to work, which was OK, that was fun too!

Lanny R. Ream



Bald eagle looking over valley near unnamed peak, note deep late spring snow, Prince of Wales Island, Alaska.

Themes and Speakers for Symposia of the Pacific Northwest Chapter of the Friends of Mineralogy

(Not all speakers addressed the symposium theme)

1975 Zeolites & Associated Minerals

Rudy Tschernich, Bill Wise, John Sinkankas

At this first symposium Cowlesite named after PNW Chapter member John Cowles, was officially "named" by members Rudy Tschernich and Bill Wise

1976 Pegmatites

Fred Pough, Bill Roberts, Richard Jahns, Tony Kampf, Gene Foord

1977 Minerals in the Oxidation Zone

Cliff Frondel, Dwight Weber, Bart Cannon, Bob and Russ Boggs, William Panczer, Rudy Tschernich, Jack Zektzer, Subatra Ghose

1978 Quartz

Bob Gait, Si Frazier, Lew Landers, Paul Seel, Lanny Ream

1979 Sulfides & Sulfosalts

Joe Mandarino, Colin Godwin, Robert Cook, Joe Nagel, Les Zeihen, Bob Jackson

1980 Elements

Peter Bancroft, Rich Kosnar, Jack Murphy, Robert Smith, Richard Whiteman, Vince Manson

1981 Silicates

Paul Moore, Rudy Tschernich, Dick Bideaux, Al Falster

1982 Pseudomorphs, Twinning and Mineral Oddities

Bill Wise, Bob Jackson, Bart Cannon, Steve Satra, Jim Minette, Ed Molsee, Lanny Ream, Rick Dilhoff

1983 Lead Minerals

Bob Jones, Victor Yount, Rick Dilhoff, Carl Harris, John Anthony, Lanny Ream, Bob Jackson, Chris Van Laer

1984 The Magic of Mineralogy

John Sinkankas, Bob Jackson, Bary Abben, Pete

Modreski, Rick Dilhoff, Chris Van Laer

1985 Classic Mineral Localities (I)

Vince Manson, Ray Lasmanis, Jack Zektzer, Rick Dilhoff, Bob Jackson, Lew Landers, John Sobolewski, Russ Boggs, Bart Cannon, Lanny Ream, Joe Nagel

1986 Minerals of Mexico

Miguel Romero, Bill Panczner, Bart Cannon, Robert Smith, Lorna Goebel

1987 Gem Pegmatites of the World

Keith Proctor, Bart Cannon, Joseph Peters

1988 Carbonates

Dave Shannon, Marshall Koval, Gary McWilliams, Ray Lasmanis

1989 (Extra Spring Symposium in Coeur d'Alene) Minerals of the Inland Northwest

Darko Sturman, Mel Dyck, Dave Waisman, Joe Nagel, Norm Radford, Lanny Ream, Russ Boggs

1989 Zeolites

Rudy Tschernich, Al McGuinness, Russ Boggs, Milt Speckles, John Lindell, Bill Butkowsky, Frank Roterba, Don Howard, Dudley Blauwet, Rick Dilhoff

1990 Ore Minerals (?)

1991 Tourmaline

Cal Graeber, Rob Belcher, Van King

1992 Accessible Mineral Localities (?)

1993 Pyrite and Friends

Robert Gait, Lester Zeihen, John Medici

1994 Calcite

Pete Richards, Ray Lasmanis, (?)

1995 Classic Mineral Localities (II) (?)

1996 Classic Northwest Localities

Randy Becker, Bart Cannon, Doug Toland, Lew Landers, Mark Mauthner, Rod Tyson, Rudy Tschernich

1997 Pegmatites

Gene Foord, Mike Wise, Mike Menzies, (?)

1998 Phosphates, Arsenates, Vanadates

Bob Jones, Bob Downs, Dave Waisman, Gary Ansell, Bob Meyer, Bart Cannon, Rudy Tschernich

1999 (Extra Spring Symposium in Coeur d'Alene) Finding Minerals

Rock Currier, Patrick Haynes, Jeffery Patterson

1999 (25th Silver Anniversary) Silver, Silver Minerals, Silver Mines

Stan Dyl, Peter Megaw, Ray Lasmanis, John Cornish, Bob Meyer, Rudy Tschernich

2000 Mines and Minerals of Nevada

Walt Lombardo, Casey and Jane Jones, Art Soregari, Sharleen Harvey, Mark Mauthner, Ray Hill, Lanny Ream

2001 Rainbow of Minerals

Jesse Fisher, Don Newsome, Lanny Ream, Sharleen Harvey (Manny Robbins prevented from attending/speaking by events of 9/11/01)

2002 Inclusions, the Inside Story

John Koivula, John White, Si and Ann Frazier, Paul Shlichta, Rudy Tschernich

2003 Minerals of China

Bob Cook (with thanks to Bert Ottens), Rock Currier, Saul Krotki, Doug Merson

2004 Minerals of Skarn Deposits

Ray Grant, Jeff Scovil, Don Grybeck

2005 Mississippi Valley Type Deposits

John Rakovan, Jesse Fisher, Ray Lasmanis

2006 Minerals of South America

Tony Kampf, Scott Werschky, Dave Waisman

2007 Minerals of the American Southwest

Virgil Lueth, Joe Marty, Allan Young

2008 Minerals of Canada

Dues

Our Chapter's fiscal year runs from July 1 through June 30. Dues are \$15 annually, of which \$6 goes to the National FM. If your mailing label indicates you have paid dues for 2008 you should not pay again until after June 30, 2008. If you have not yet paid for FY 2008, please do so before June 30, the earlier the better. Our membership is more accurately reported to FM at Tucson in February if you pay before December 31, and we are on our way to a record high for recent years. We save even more money, and you get better, color newsletters, if you sign up to receive the Chapter and National Newsletter via e-mail. Please include your current e-mail address below and let me know if it changes. We do not accept dues in advance or for past years.

Return completed forms with your check for \$15 made out to PNWFM to:

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Send Newsletters via e-mail Yes_____ No_____

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