



Pacific Northwest Chapter Friends of Mineralogy

May 2007 Bulletin

33rd Annual Symposium

Minerals of the American Southwest
October 19–21, Red Lion, Kelso, Washington

Featured Speakers

Dr. Virgil W. Lueth, Socorro, New Mexico

Virgil has been Mineralogist/Economic Geologist and Curator of the Mineral Museum at the New Mexico Bureau of Mines & Mineral Resources since 1994. He received his B.S. in at the University of Wisconsin – Eau Claire and his Ph.D. from the University of Texas at El Paso. Virgil has served on the Boards of Directors of the Society of Mineral Museum Professionals, New Mexico Geological Society and Friends of Mineralogy. He is currently President of FM. Virgil has also chaired the New Mexico Mineral Symposium for the last 10 years.

Mineral collecting in the Land of Enchantment – A light and colorful talk on the history of mineral collecting in the New Mexico and news about the latest finds (“killer” Hansonburg material mined this year, Chino spinel twinned coppers, and the new herkimer-style quartz from near Truth or Consequences).

The Origin of Turquoise - A bit more scientific discussion integrating Virgil’s research on geochemistry, geochronology and paleoclimate as it pertains to formation of New Mexico’s official state gemstone.

Joe Marty, Salt Lake City, Utah

Joe is an active field collector of Southwest minerals. He is a retired medical technologist and maintains a business cleaning and servicing microscopes. Joe was recently inducted into the Micromounters Hall of Fame, and he has a collection of over 10,000 catalogued micromounts.

Recent Finds in Utah – Recent mineral specimen discoveries in Utah, emphasizing unusual finds. Illustrations include locality pictures, maps, and photomicrographs, several of which have been taken with stacking software. Collecting status at different localities will be discussed.

Recent Finds in Arizona, Nevada and California – a similar presentation on recent discoveries in these three states.

Pacific Northwest Chapter

2006–2007
Officers and
Board Members

Wes Gannaway
President
debnwes@comcast.net

Lorna Goebel
Vice President
Lorna.Goebel@att.net

Bill Dameron
Treasurer
baritebill@aol.com

Karen Hinderman
Secretary
gkmhind@comcast.net

Newsletter Editor
Lanny Ream
lanny@lrream.com

Current NW Chapter of FM Schedule for 2007

August 10, 11, 12: annual outing
at Washington Pass.

October 19, 20, 21: the symposium
at Kelso, WA: Minerals of
the American Southwest.

President's Message

I am sorry for the delay in the bulletin. Several things have come along which required my immediate attention and still haven't been resolved. However, I will say that everything is okay as far as our organization. The symposium is moving along with the selection of our main speakers, Joe Marty and Virgil Lueth. Another item is the participation of Lee Snelling in putting together a series of presentation modules for use in presenting mineralogy to other organizations such as rock clubs and school classes. Lee has been actively pursuing input from members of our group for this outreach program.

Due to low attendance at our meetings in NW Washington, I am going to hold the next meeting at the Rice Museum again. This seems to be the meeting location of choice for the majority of our members. There is something to be said for holding our meetings in a building surrounded by some of the finest examples of minerals on display anywhere. I will be sending out a separate email for the date and time of the next meeting. I hope to see many of you there.

I also hope to be participating in the Northern California Mineralogical Association meeting in June. If you are into micromounting or collecting rare species you should attend this event. Check out the NCMA website for further information.

I am gearing up to cook up more pancakes at the August Washington Pass meet. Be sure to call me so that I can reserve our campsites (if you just happen to show up we will make room).

Washington Pass

The annual Washington Pass cleanup and collecting trip will be on August 10, 11, and 12. For the new members this is a chance to collect some nice mineral specimens and also sit around talking about collecting and other mineral related activities. Last year we had a session with Lanny Ream and Ray Lasmanis reminiscing about their experiences. Wow, what a rush (maybe it was the beer) listening to two of the premier NW mineralogists and getting to collect some rare and unusual minerals too. You don't have to drink beer to join us, just show up and help with the cleanup and bring your rock hammer.

Symposium

Our symposium is on schedule for the 19th, 20th, and 21st of October at the Red Lion Inn at Kelso, Washington. Our theme is Minerals of the American Southwest.

January Meeting minutes

Our January meeting was held at the Rice Museum with 16 members attending.

We discussed the upcoming symposium with a consensus on the area (states) to be covered so our speaker chair could have a better idea of what we needed for our guest speakers.

Another topic was the need for minerals for Lorna Goebel and the ABC program for schools. Lorna is doing a great job getting this project together and working.

Our main topic was on Lee Snelling's outreach program. Lee has put together a very good outline and several members volunteered to help with portions of the program.

After the business meeting we had a slide presentation on collecting at the Gold Hill, Utah mine and then toured the museum. Wes Gannaway, President

The Friends of Mineralogy, Inc. - New National Officers 2007-2008

Visit the National Friends of Mineralogy website:
www.friendsofmineralogy.org

President

Virgil W. Lueth, Ph.D., Sr, Mineralogist/Economic Geologist, Curator- Mineral Museum, New Mexico Bureau of Geology & Mineral Resources, New Mexico Institute of Mining Technology, 801 Leroy Place, Socorro, New Mexico 87801

Email: vwlueth@nmt.edu

Vice President

Julian Gray, Weinman Mineral Museum, P.O. Box 3663, Cartersville, GA 30120

Email: JulianG@weinmanmuseum.org

Secretary

Gloria Staebler, P.O. Box 263, East Hampton, CT 06424

Email: gloria@lapisint.com

Treasurer

Regina Aumente, 6 Santa Ana Loop, Placitas, NM 87043

Email: raumente@aol.com

Newsletter Editor

Carol Smith, 1731 Daphne Street, Broomfield, CO 80020

Email: carolsmith72@msn.com

Web Master

Jim Etwiler, 3935 Interlake Ave. North, Seattle, WA 98103

Email: kd7bat@arrl.net

The Northwest Chapter of the Friends of Mineralogy

33rd Annual Show and Symposium

Minerals of the American Southwest

October 19–21, 2007

Red Lion Inn in Kelso, Washington

Free Admission to the Mineral Show
and Dealers

Main Floor Dealers:

LEHIGH MINERALS: Jim and Yolanda McEwen

OXCART MINERALS: Priscilla & Hollis Oxley

PACIFIC RIM MINERALS: John Meek

Room Dealers in the north hallway, selling minerals from the Pacific Northwest and worldwide locations.

**Sixteen world class displays of minerals including a case from the Northwest's finest mineral museum:
The Rice Museum in Hillsboro, Oregon**

Visit our webpage at www.pnwfm.org for more information.

2006 FM SYMPOSIUM DISPLAYS

described by

Raymond Lasmanis

ray.lasmanis@wadnr.gov

This year's theme was Minerals of South America. Displays by participating members and guests caused this year's show to be one of the best in recent memory. In fact, the theme could have been Minerals of Peru as there were so many one of a kind or museum specimens from Peruvian metal mines. And, R. Scott Werschky made the localities real through his two excellent lectures on mines and minerals of Peru. For additional information, see the special Mineralogical Record issue "Mines and Minerals of Peru," Vol. 28, No. 4 (1997).

Based on a vote of the attendees, the top display at the symposium was Minerals of Peru by Art Soregarioli. The specimens were of extraordinary beauty and perfection and personally selected by Art over the years during his frequent trips to Peru. In the case there were five spectacular crystallized pyrite specimens from the Huanzalá mine, Huanuco including a stunning 6" x 12" group of perfect, lustrous, 3" to 4" octahedral crystals. Also from the Huanzalá mine, the case had as a center piece a world-class specimen (only one of three known) of sellaite and jalpaite on 5" x 8" matrix (#S97.51) and up to 2" pink fluorite octahedrons on sphalerite matrix (#S92.36). From the Hullapon mine, Ancash Dept., Art had a ½" x 1", transparent, deep red huebnerite crystal on needle quartz crystals (#S94.12) and very aesthetic gemmy bright red ½" rhombs of rhodochrosite and pale green fluorite on 3½" x 3½" needle quartz crystal matrix (#S98.18). Another colorful specimen from Peru was a beautiful 2" manganian rhombic calcite crystal on matrix from the Pachapaqui mine, Ancash Dept. (#S06.47). Rivaling specimens from Norway, the case contained thick "rams horn" silver wires on 3" x 4" matrix (#S92.74) from the Uchucchacua mine, Lima Dept., Peru. Thank you Art for your display.

Dave Waisman presented a case featuring thirteen of his favorite quartz crystals from Montana. From the Little Gem mine, Jefferson County, he had a 3" x 3" compound parallel amethyst scepter; a 2½" x 10" dark smoky crystal with 1½" amethystine scepter; and, a black crystal with a 2" amethystine scepter. From the Delmo Lake area, Jefferson County he had four specimens: a 2½" x 5" black crystal; 4" smoky crystal with 2" amethyst scepter; a lustrous crystal with a 1½" x 2" amethyst scepter; and collected in 2005, black, ½" x 2½" tourmaline crystal with up to 2½" quartz crystals on 5" x 6" feldspar matrix. From Crystal Park he had a beautiful, clear, 2½" amethyst scepter on transparent

light smoky crystal From the Black Pine mine, Philipsburg, the case had a 3" x 5" quartz crystal coated by secondary minerals. The case also contained four specimens from the PC mine near Basin: two specimens of Japan-Law twins 2" and 5" wide and two specimens of stubby 2½" and 4½" long crystals with well defined phantoms.

Wayne and Deanne Sorensen presented seven world-class tourmaline crystal groups from famous world localities. What a great opportunity to see part of such a renown collection and listen to Dave Waisman's lecture on the acquisition and disposition of specimens by Wayne Sorensen. Although not the most valuable in the case, my favorite was a group of two ½" diameter, parallel, 4" to 6" long black tourmaline crystals with green tips partially coated by white cleavelandite blades and embedded at the base a bright blue-green, cubo-octahedral fluorite crystal from Stak Nala, near Skardu, Northern Areas, Pakistan. Also from Pakistan, he displayed a black, 1" x 5" long terminated tourmaline crystal with ½" x 4" and 1" x 3" clear aquamarine crystals on feldspar matrix from the Shigar Valley. From Pech, Laghman Province., Afghanistan, there was a specimen of three 2½" to 3½" wide lustrous sea-green tourmaline crystals with flat terminations on white cleavelandite matrix. There was a spectacular specimen from the Pederneira mine, Minas Gerais, Brazil with 1½" wide, deep green, transparent 12" long tourmaline crystal with a purplish red cap and a 3" x 5½" clear light smoky quartz crystal on cleavelandite/lepidolite matrix. Two world-class specimens represented the Himalaya mine, San Diego County, California: a 1½" wide, 5" long pink terminated crystal attached to a 3" x 4" smoky crystal on lepidolite and feldspar matrix; and, very aesthetic 7" x 8" quartz crystal on white cleavelandite matrix with 2" wide, 5½" long, color zoned (dark green through pink, capped by lighter green) tourmaline crystal and a sprinkling of lepidolite between the cleavelandite plates. There was also a 2½" wide, 7" long green divergent tourmaline crystal with smoky quartz crystals but I failed to record the locality information.

Once inside the exhibition hall, one was struck by the case with ten large, bright red rhodochrosite specimens from Capillitas mine, Andalgalá, Catamarca Province., Argentina. Assembled by Rudy Tschernich from the Rice NW Museum of Rocks & Minerals collection, the case exhibited the various stalactitic forms of rhodochrosite that the locality is famous for. Included were two, 14" x 20", cut and polished, bright red cross section slices; two pink, 4" to 5" and up to 12"

long stalactites; a group of 1" to 1½" wide and 14" long deep pink stalactites (#RM 2096); and, an interesting group of twisting "wormy" looking ½" diameter stalactites loosely packed into a 6" high, 8" x 12" group.

Ray Hill put in two cases. The first contained 18 crystal groups from South America with emphasis on Minas Gerais, Brazil including the following: a sherry-colored 2½" x 2½" gemmy 540 carat topaz crystal; a beautiful deep green gemmy clear tourmaline crystal from the Santa Maria mine; a ½" x 2½" precious imperial topaz crystal from Ouro Preto; and a gemmy 1½" x 4" x 7" kunzite spodumene crystal from the Barra da Salinas mine. The second case contained 9 cut stones from Minas Gerais (2 spheres and 7 faceted stones) and a flawless faceted 93.79 carat dolomite from Brumado, Brazil.

Bill and Diana Dameron used the theme to display one of their favorite minerals, barite. There were nine very aesthetic, beautifully displayed crystal groups from Peru with eight of them from near Miraflores, Huamalies, Huanuco. My favorite in the case was a reddish semi-transparent tabular, nearly square, 2½" huebnerite crystal on a radiating group of small needle quartz crystals and on the huebnerite there was a small ring of pale green fluorite crystals, from the Huayllapon mine, Pasto Bueno, Ancash, Peru. The case contained a total of 28 specimens including outstanding examples of amethyst, hematite, vivianite, and cassiterite, all from South America.

Our featured speaker, R. Scott Werschky, displayed 20 specimens that were used illustrated in his two lectures on the mines and minerals of Peru. My favorite was a 1½" scheelite crystal replaced by reddish drusy huebnerite on small clear quartz crystals from the Huallapon mine, Ancash Dept. Others that I found attractive were: from the Hunzalá mine, Ancash Dept., a very lustrous 4½" x 5" complex pyrite crystal and a 2½" cubic pyrite crystal with epitaxial galena crystals aligned in rows along the cubic face intersections. Another specimen that was very aesthetic was a radiating burst of stubby, lustrous, up to 2" long stibnite crystals on white matrix, Raura mine, Lima Dept.

As is customary, Lorna Goebel put in an educational case on Dana Group 48 minerals, molybdates and tungstates. The case contained 27 specimens from such diverse locations as Arizona, California, Colorado, Utah, and Australia, China, England, Morocco, Portugal, and Russia. From the Northwest, Lorna had powellite in quartz from the Selkirk Mtns., BC and huebnerite in quartz from the Van Silver mine, BC.

John Lindell displayed 16 specimens from Bolivia and Brazil. The case contained six ametrine quartz

crystals showing good color and clarity as well as two etched crystals (collected March, 1994) from the Anahí mine, La Gaiba Dist., Sandoval Prov., Santa Cruz Dept., Bolivia. My favorite in the case was a clear, gemmy, slightly smoky, 2½" x 3½", gwindel quartz crystal from Minas Gerais, Brazil (#668). From Bahia, Brazil there was an unusual 1½" bluish quartz crystal with (?) inclusions (#555). One of John's earlier specimens from his collection (#382) was also in the case: rose quartz crystals from Lavra Berlino Branco, Sapucaia de Morte, Brazil and collected in 1959.

George Gerhold's case was titled: "Plunder from a Tony Kampf-led trip to Minas Gerais- 1999." The case complemented Tony's lecture with a display of cascading array of colorful faceted gem stones and crystal groups. Pale blue topaz was well represented with nine gemmy crystals, the largest 3" wide and 4" tall, from Governador Valadares. The case also contained five 2" to 3" long imperial topaz crystals from the Antonia Pereira mine and Marambainha, Pedra Azul, Teofil Ontoni.

Arlene Handley displayed 13 specimens from Brazil. Unfortunately for Arlene, the samples became separated from the labels so no locality information was given. Of interest in the case was a 4" x 4" smoky quartz crystal encircled by rose quartz crystals and a 2½" x 4½" rose quartz crystal group. There was also a lovely zoned pink to light green 1½" x 3" tourmaline crystal.

Jim & Rusty Etwiler case was titled "Sulfides" and contained 12 specimens from Tennessee, Wisconsin, Nanisivik, NWT, China, Mexico, and Peru. From the Northwest the case had the following: a 2" x 3" molybdenite plate, Silver Creek, Snohomish County, Washington; and from Butte, Silver Bow Co., Montana bornite on needle quartz crystals, highly iridescent 2½" x 2½" covellite plate, Leonard mine, and, a 3" x 5" drusy tennantite group.

Wes and Deb Gannaway put in a very nice case of classic Peruvian minerals from localities in Scott's lectures as well as Bolivian minerals. The most unusual was a 1" x 1½" specimen of cylindrite and incaite from the Santa Cruz mine, Poopó, Oruro Prov., Bolivia (#03.1.4.1.1). Also from Bolivia, there were lustrous perfect 3/8" to ½" magnetite octahedrons coating a flat 3" x 4½" plate from Cerro Huanaquino, Potosi (#07.2.2.3.1). From Huanzála mine, Huanuco, Peru, there was an excellent Japan-Law twin with other quartz crystals on 3" x 4½" matrix (#75.1.3.1.58).

From their personal collection, Bill & Sharleen Harvey treated us with 15 mineral specimens and 16 faceted quartz gemstones of various colors, all from

South America. My favorite in the case was a 4" x 5" vug containing six bright red scalenohedral rhodochrosite crystals from the Santa Rita mine, Ancash Dept., Peru. The case also contained a ½" x ½" tall childrenite crystal on matrix from Poopó, Oruro Prov., Bolivia. From Minas Gerais, Brazil, there was an attractive, lustrous 3" hematite rose and a large, compound, doubly terminated chrysoberyl crystal measuring 2½" x 3".

Raymond Lasmanis put in a case of South American minerals representing acquisitions spanning more than 50 years. The case contained one of his earlier purchases while a teenager: three imperial topaz crystals up to 1½" long from Rodrigo Silva, Minas Gerais, Brazil (#105) purchased from the American Museum of Natural History in 1954. And, the last purchase made in 2006 from John Lindell of up to ½" rose-colored rhodochrosite crystals scattered on 4" x 4" matrix from the Uchucchacua mine, Lima Dept., Peru (#3029-2). The remaining case featured minerals brought to Tucson by the late Carlos P. Barbosa of Minas Gerais, Brazil. He was a gentleman of the old school and every year had fine and varied specimens in his room that I could not resist. From Mr. Barbosa I displayed the following: purchased in 1995, a terminated eosphorite crystal, 1" wide by 3" long from Roberto Caldeira mine, Linopolis, Minas Gerais (#2773) and a large, compound tabular hematite crystal 1½" thick, 3" x 6", from Brumado, Bahia (#2772); a ½" x 1½" clear, floater phenakite crystal from Lavra do Pica Pau, Manoel Marciano, Minas Gerais, purchased in 1986 (#2364); up to ½" clear magnesite crystals on reddish, up to 1" quartz crystals in a 2" x 4½" group from Brumado, Bahia, purchased in 1996 (#2850).

Congratulations and thanks to all exhibitors for contributing to the success of the 32nd Annual Pacific NW Chapter Friends of Mineralogy Symposium and Mineral Show.

November 3, 2006



Bayldonite(?) epimorph of pyromorphite(?), micro, Skylark Mine, Bayhorse, Idaho.

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. Those members who paid dues between July 1, 2005 and June 30, 2006 (shown as 2006 on your mailing label) will continue to receive a newsletter through December, at least, but need to re-new. Otherwise, please pay dues anytime before June 30 2007; our membership is more accurately reported at Tucson in February if you pay before December 31.

We save even more money, and you get better, color newsletters, if you sign up to receive the 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:

Bill Dameron, Treasurer, PNWFM
1609 NW 79th Circle
Vancouver, WA 98665 (baritebill@aol.com)

Last Name, First Name

Street Address

City, State, Zip

Phone

E-mail address

Send Newsletters via e-mail Yes _____ No _____

Pacific Northwest Chapter Friends of Mineralogy

Editor: Lanny R. Ream
PO Box 2043
Coeur d'Alene ID 83816-2043



Vanadinite(?), Skylark Mine, Bayhorse District, Custer County, Idaho, micro.



Azurite and malachite ps. after azurite, Skylark Mine, Bayhorse District, Custer County, Idaho, micro.



Quartz coating twinned cerussite crystals, Commonwealth Mine, near Camp Creek, near Melrose, Montana, micro.