



PNWFM NEWSLETTER

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ANNUAL WASHINGTON PASS CLEANUP, AUGUST 6-8

The annual Washington Pass cleanup is scheduled for two weekends in August this year. Two different dates were published in the newsletter and organizer Wes Gannaway will be there for both the weekend of August 6th, 7th, and 8th, and also the weekend of the 13th and 14th.

August 6th is scheduled as the work party weekend with the Forest Service folks. The venue will be the same as in the past with the Klipchuck Campground as our home away from home. We will be in the inner circle on the left side and will have a B S session on Friday night. On Saturday we will get together at 9AM to do our chore for the FS and then spend the rest of Saturday and Sunday morning breaking rocks.

Wes will be there on the 13th to assist anyone that shows up for that weekend. The 13th weekend will not be co-sponsored by the FS and we will most likely have to pay for our camping spots.

For more information contact Wes at

debnwes@comcast.net



Willow Basin from near "the Rockslide". Photo by John Lindell

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PRESIDENT'S MESSAGE - Bob Meyer

We are the Pacific Northwest Chapter of Friends of Mineralogy, and whether you are a member because you live in this area or simply because you have an affinity for our chapter, the Pacific Northwest has meaning to you. The Pacific Northwest is something of a state of mind, and stems from our land, water, climate, and natural resources.

It's summer in the Pacific Northwest, the all-too-short time we wait for during the gray days of the winter here on the Westside, or the cold days that occur east of the mountains. Summer is particularly significant for mineral collectors from the Pacific Northwest. It is that time when we can get out and enjoy the outdoor aspects of mineral collecting. This might involve visiting collecting locales, swinging hammers, and breaking big rocks into much smaller ones. I hope you all have the chance to partake in some outdoor collecting activity this summer.



Looking ahead, you have some excellent opportunities to both collect and to help the Okanogan National Forest at our 20th Annual Washington Pass Clean-up on August 6-8, 2010. (Details elsewhere in this newsletter). If you have not attended a clean-up before, you have been missing our most enjoyable annual event, and it is a great chance to build goodwill with the Forest Service, the governmental stewards of Washington State's preeminent mineral locale. This year, you will have the opportunity twice. Due to a mix-up earlier on, there will be two events, the official clean-up on August 6-8, and a follow-up event the next weekend on August 13-15. As of this time, there will be no actual clean-up work expected on the second weekend, but it still presents an opportunity to get together with other PNWFM members and do some collecting.

A bit of history of the Washington Pass Clean-Up: *the first clean-up held in August 1990 was at the suggestion of then PNWFM president Becky Harris, and it was organized by then PNWFM treasurer Cheryl Stewart.*

It is also not too soon to start thinking about the symposium. Perhaps you have it in mind to put in a display case this year or to be a satellite dealer. Maybe you would like to help with planning or putting on the symposium. We're all volunteers, you know, and your contributions of time are very welcome.

We have assembled an exciting group of speakers on our topic, the Minerals of Australia. The PNWFM board of directors approved the added expense of bringing a speaker from Australia. For that reason, we need to encourage members to think about making a generous donation this year to our benefit auction in order to recoup the added expenses. One of our members, John Dagenais, has not waited and has promised the donation of a suite of specimens from the Tintic district in Utah, including some great rarities. John has also donated a microscope to the auction.

As always, one of the best parts of this job is the opportunity to communicate with members. I encourage you to stay in touch via e-mail or telephone, and let me know what you are thinking about PNWFM.

**Happy summer,
Bob Meyer**



Zektzerite, "the rock-slide", collected and photo by John Lindell



Arfsvedsonite, Kangaroo Ridge, collected and photo by John Lindell

MEMBERS ATTEND SEATTLE MINERAL MARKET

The 2nd annual Seattle Mineral Market occurred in May and again proved to be a resounding success. PNWFM held its spring Business Meeting in conjunction with the show and many members were in attendance, both as dealers and as attendees. Dealers travelled to Seattle from as far away as South Dakota, Arizona, California, and British Columbia to attend the one day event. All agreed that it was a unique, fun venue that should continue. Bart Cannon, organizer of the nonprofit event, deserves congratulations and thanks for his exhausting efforts in putting on this show.

Photos by Linda Vanegas Smith



BUSINESS MEETING MINUTES, MAY 2010

May 22, 2010

President Bob Meyer opened the meeting at 4 pm. Minutes printed in the newsletter from the symposium were approved. A short discussion ensued on the quality of the recent newsletters. Everyone appreciates the pictures and the articles, and we all agreed that John Lindell is doing an excellent job. Bill Dameron, treasurer, reported via email that we had "plenty of money".

Lorna Goebel reported on the success of the ABC Educational Mineral Program. She reported that there are 4 complete sets of cases available to schools and clubs. Each case includes 26 minerals (A-Z), a teachers sample set, minerals for prizes for games included, and a CD with lesson plans/games/experiments. Lorna and a few others have invested a lot of time on this program and they are successfully educating children about minerals. Remember that Lorna is always looking

for donations. Please contact her to help.

Wes Gannaway presented a polo shirt with the PNWFM logo for all to look at. Wes can get the shirts for around \$20. MSP to have Wes order polo shirts.

Symposium Update: A full slate of speakers has been lined up for the theme: Minerals of Australia. Al Liebetrau reports that the floor dealers will be the same as 2009. Ray Lasmanis, display chair, is looking for individuals to display their Australian minerals. Auction chair, Karen Hinderman, reminded members to begin placing aside quality donations for both the live and silent auctions. All in all, it appears that we are on track to have another awesome symposium in October.

Field trips: Wes Gannaway will once again host the annual campout to WA Pass. This event involves a few hours volunteer work, camping, potlucking, and

mineral collecting. The official event is August 6, 7, & 8; however, Wes will also be back the next weekend for round two. Wes will also be leading a trip to Nevada and Utah sometime in the fall. Stay tuned for more information.

A discussion around badges concluded the meeting. Several newer members do not have badges and several "older" members have either lost their badge or it has faded badly. Wes will check on cost of new badges that are made with the magnets. Members like these newer badges for ease of wear and less damage to clothing. It was also noted that badges are available from Regina at National. MSP to allow Wes and the board to investigate cost and purchase badges via email.

Meeting adjourned at 4:40.

Respectfully submitted,
Karen Hinderman, Secretary

B-Line Road Cut, a New Zeolite Locality, Capitol Forest, Thurston County, WA**Raymond Lasmanis**

Zeolite bearing road cut . Photo by Ray Lasmanis



Boulders removed from new road cut. Photo by Ray Lasmanis



Chabazite exposure in boulder. Photo by Ray Lasmanis

During early December, 2007, an unprecedented storm hammered western Washington. Capitol Forest received 4.1 inches of rain on December 3rd, 2007 causing landslides and debris flows which destroyed bridges and numerous road fills. The main access point on the north side of Capitol Forest in Thurston County, from Highway 8, is the Rock Candy Mountain Road or designated as the B-Line Road in the forest. On December 3rd the B-Line bridge, over a branch of Kennedy Creek, was swept downstream by a massive debris flow containing logs, stumps and boulders, then covered Highway 8, and demolished the Ranch House BBQ restaurant at the base of the mountain.

The reconstruction of the B-Line road required the rebuilding of the bridge, reconstruction of failed road fills, and a new road cut. The large cut, on a curve, is located 2.0 miles from Highway 8 and situated in the N1/2 of Section 25, T.18N., R.4W., Thurston County. The best collecting opportunities are in oversized rock piled on the north side of B-Line just east of the road cut.

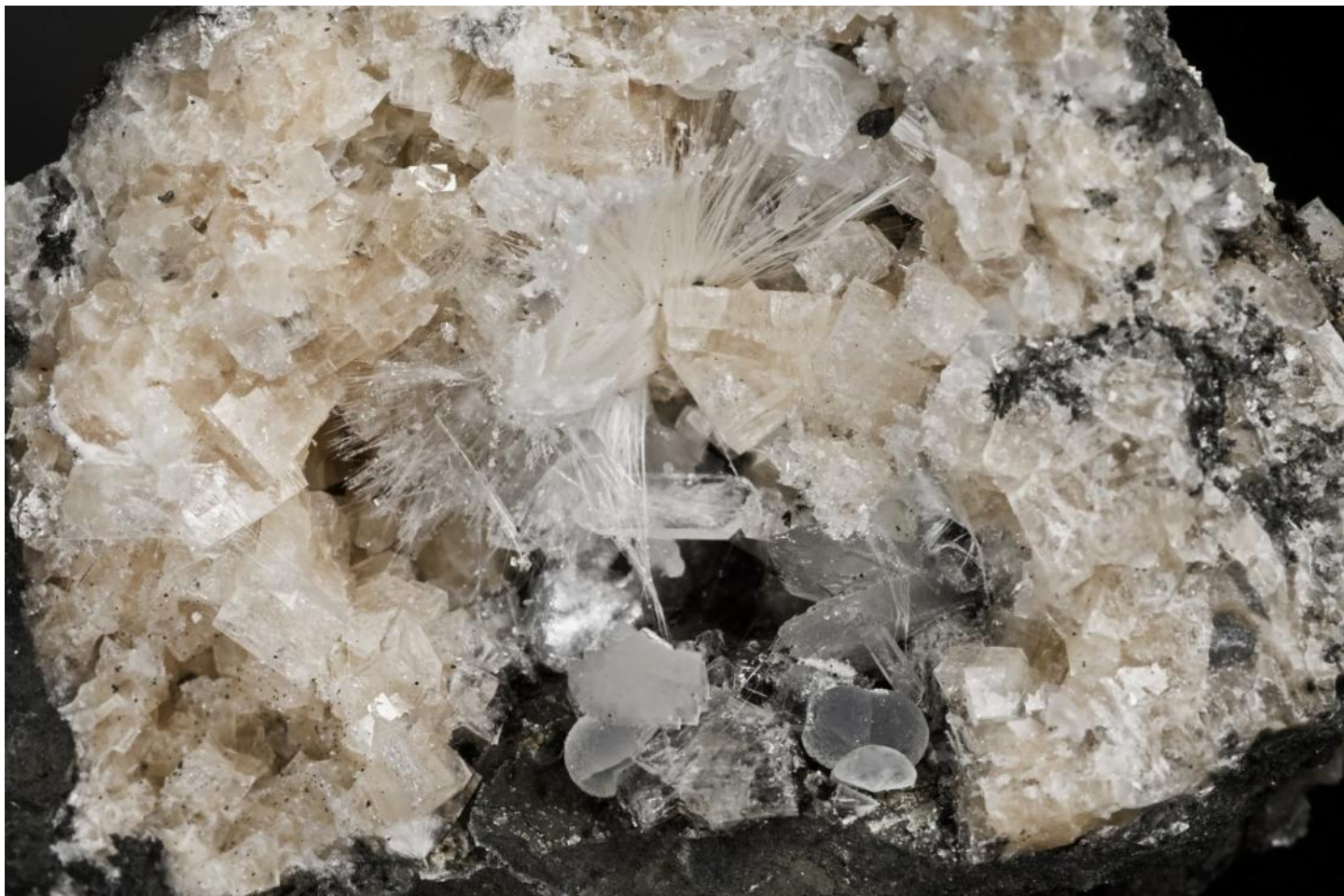
The rock consists of massive and amygdaloidal Crescent Basalt of Eocene age (dated at 50 Ma on the Olympic Peninsula). The origin of the basalt is thought to be seamounts in a basin which has been accreted to the continent. At the B-Line road cut the small amygdules are filled with zeolites. Along the margins of the massive rock with the amygdaloidal phase, cavities up six inches can be found that are lined by chabazite crystals and other zeolites. In decreasing abundance, the vugs contain chabazite, stilbite, mesolite, and thomsonite. Other zeolites may also be present.

Original sight identification of minerals included Cowlesite and Mordenite. Microprobe analysis by Bart Cannon on specimens provided by Bob Meyer and analysis of crystal habit and associations by Rudy Tschernich on photos provided by Bob Meyer indicate that the actual minerals present are Thomsonite and Mesolite.

R.L. May 24, 2010



Thomsonite. Collected by and photo by Bob Meyer



Chabazite, Mesolite, Thomsonite, Stilbite. Collected by Ray Lasmanis. Photo by Mark Mauthner.



Calcite on Chabazite
Collected and photo by Bob Meyer



Mesolite, Chabazite
Collected and photo by Bob Meyer

FIELD COLLECTING IN NEVADA AND UTAH by WES GANNAWAY



The Silver Coin Mine

After attending the Northern California Mineralogical Association's meeting on the weekend of June 24th at Eldorado, California, my wife and I then proceeded to Winnemucca, Nevada to check out the Silver Coin Mine.

I was able to collect a nice group of minerals from the Silver Coin, mostly micro phosphates. This mine also has a copper stope and a silver stope, each producing a slightly different suite of minerals. This mine is currently very collectable, either underground or on the surface.



Deb Gannaway in the Phosphate stope of the Silver Coin Mine



Deb collecting on the dump of the Silver Coin Mine.



Piles of ore from the Silver Coin mine in a small dump just outside of the incline. The two larger pieces are covered with calcite and willemite.



John Dagenais and Wes Gannaway at Gold Hill.

Photo by Bob Meyer

The next stop was at Gold Hill, Utah to collect at the Gold Hill Mine. Deb and I hiked up to the pit and collected at the glory hole and at the south pit, doing very well at both locations. This is also a micro-mounter's paradise, with the arsenates being the dominant species. There are several adits which have been filled, gated, and closed with concrete blocks, eliminating some fabulous mineral exposures, but the pit is still full of wonderful specimens and some of the dumps are still very collectable.



The pit at the Gold Hill Mine. The glory hole is to the right.

My last stop was in the Tintic District at Eureka, Utah. This area has always been a great place to collect arsenate, sulfide, and tellurite specimens; however it is still not certain that I can get permission for a group to collect at this time.

For a list and photos of the minerals that can be found at the Silver Coin and Gold Hill Mines, go to Mindat.org and type in the locality.

Photos by Wes Gannaway



The Gold Hill Mine pit. Deb is collecting from a pocket on the south side of the glory hole. The middle pit starts at the white boulder, then a small ridge separates the middle pit and the south pit. I nicknamed this pit the "Candy Bowl" years ago due to the abundance of nice specimens that can be collected here.

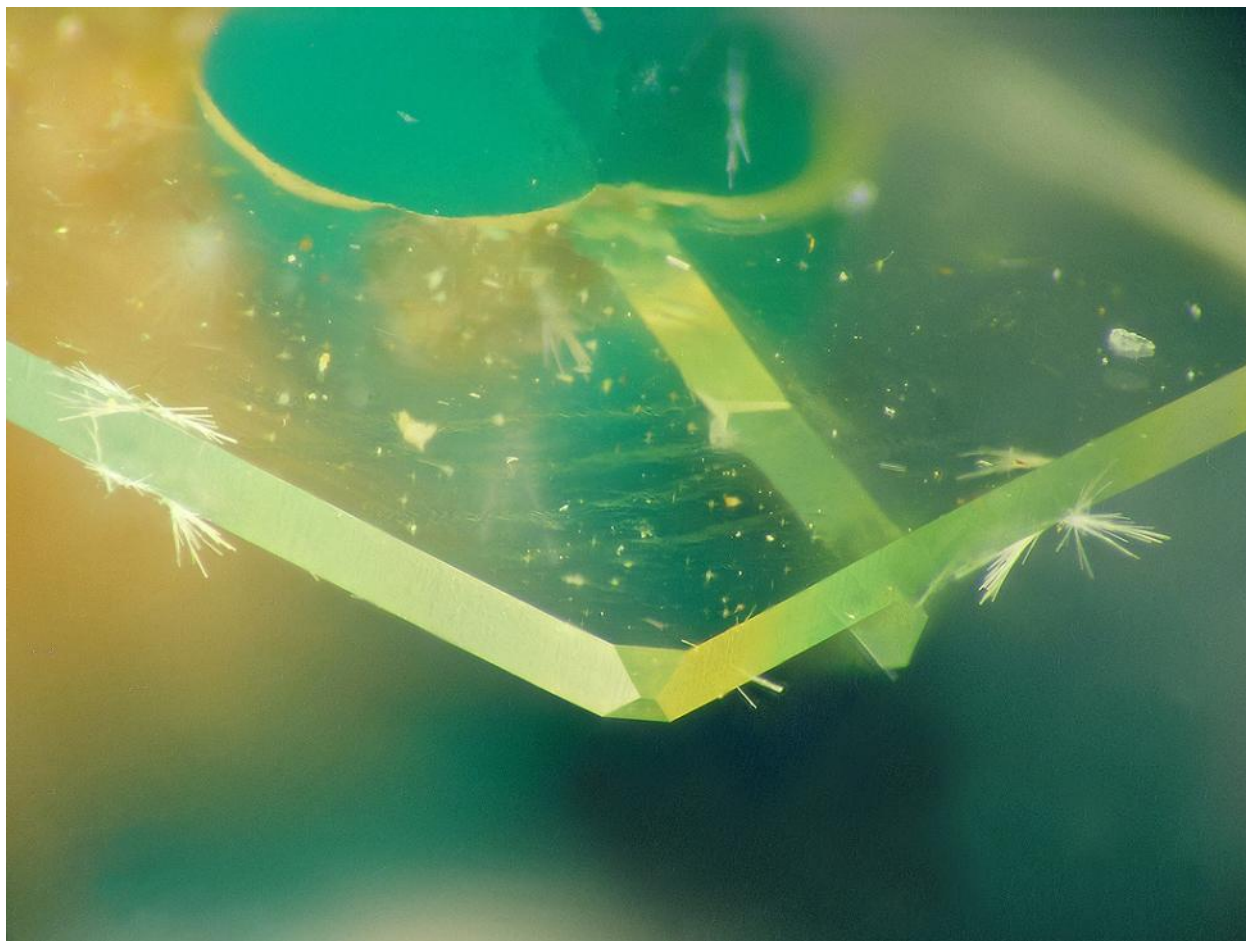
SEPTEMBER 2010 FIELD COLLECTING WITH WES GANNAWAY

Wes Gannaway is in the process of planning a group field collecting trip to Nevada and Utah after the Denver Show in late September. This trip was supposed to include at least four collecting sites but after the recent exploratory early summer tour, Wes can currently only promise two of the sites, the Silver Coin Mine and the Gold Hill Mine. The trip will start on September 21 and go until the 26th. Wes will have information on where the group will meet, on places to stay and eat, equipment for collecting, and so forth. The Silver Coin is easily accessible but a somewhat strenuous climb is required to get to the Gold Hill pit.

If you are still interested in collecting at just the two localities, more information can be obtained by emailing Wes at debnwes@comcast.net. As for the FM legalities of the trip, Wes is only allowing persons to travel with him to the collecting site. The individual is then responsible for their own safety and liability issues.

The Micro Mineral Collector

By Bob Meyer



Wulfenite—a pale yellow transparent crystal modified by minor pyramidal faces, associated with white sprays of Hydrozincite, and on balls of blue-green Rosasite. The light refracting properties of wulfenite are evident in this image. Note the offset of the second crystal of wulfenite as viewed through the top crystal in comparison to the small stub that is visible below. From the San Rafael Mine, Quartz Mountain camp, Lodi District, Nye Co., Nevada. The field of view is 2.0 mm.

Specimen from the collection of Don Lown.

Buy and Use a Good Microscope—*adopted from Neil Yedlin*

Hello fellow mineral enthusiasts. Summer is a special time for micro mineral collectors in the Pacific Northwest. This is our time to get out and do some field collecting.

One good reason to become a micro mineral collector has to do with the number of field collecting opportunities one has. The Pacific Northwest is blessed with a number of locales where a collector can go out and find big, flashy specimens. Unfortunately, if this is the style of collecting that you want to do, you will quickly find that such opportunities are rare, that you are competing with numerous other collectors for these finds (many of which are under claim), and here in the Northwest, you might find that you have to hang on ropes off of some cliff to find anything. Additionally, the species one is likely to find at such finds are typically the more common ones. While there is nothing wrong with common species, micro mineral collectors have opportunities to collect a much more diverse array of species, and there are thousands of micro mineral collecting areas in the Pacific Northwest to choose from, and still more to discover.

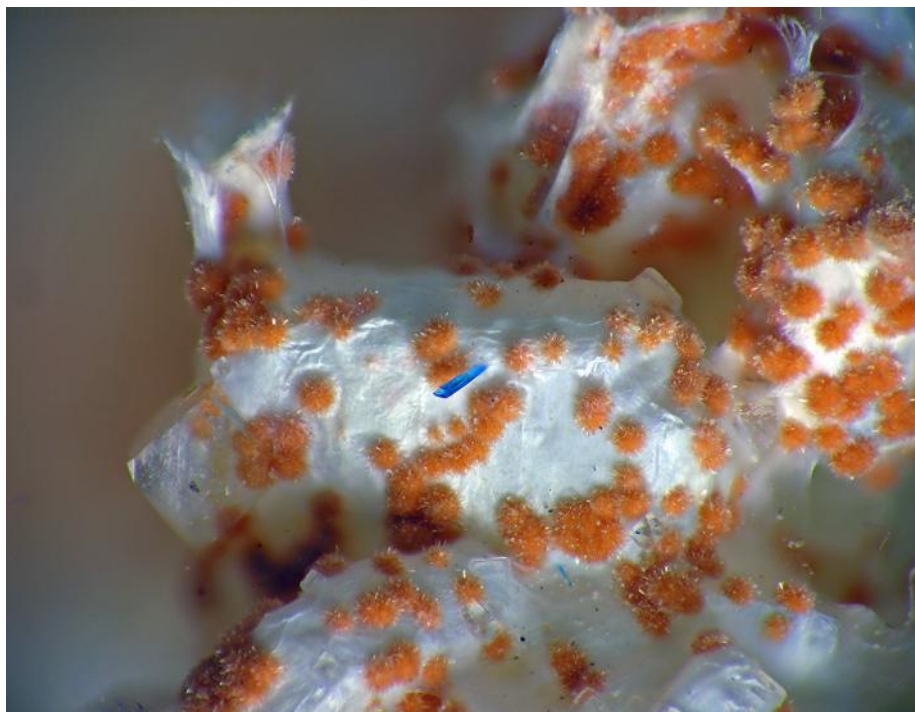


Micro mineral localities are so plentiful that the ability to field collect can easily outstrip your ability to process the material once you are home. Even with our long winters. Processing the material usually involves breaking it down into manageable sizes, performing an initial inspection under the microscope, trimming the pieces into suitable specimens, cleaning them, indentifying them, labeling them, and stowing them away as a part of your collection.

Almost invariably, a micro mineral collector will end up with a nice store of unprocessed material, often running into the tons. Some think of it as money in the bank, while others realize that there is too much to get through in a lifetime. For this reason, it is vital to label the boxes, flats, bags, or sacks that one obtains in the field. The label at the very least should include the collecting date and the locale. When you have thousands of pounds of material highgraded from hundreds of mines, you will be thankful for the few moments spent recording such data in the field. Another useful habit is to keep a collecting journal, listing all trips, localities visited, sketched maps of collecting areas, especially when collecting underground.

There and Back Again *(Let me know in an e-mail if you recognize the title of this section.)*

—Sets of photographs of the same species from different areas of the globe.



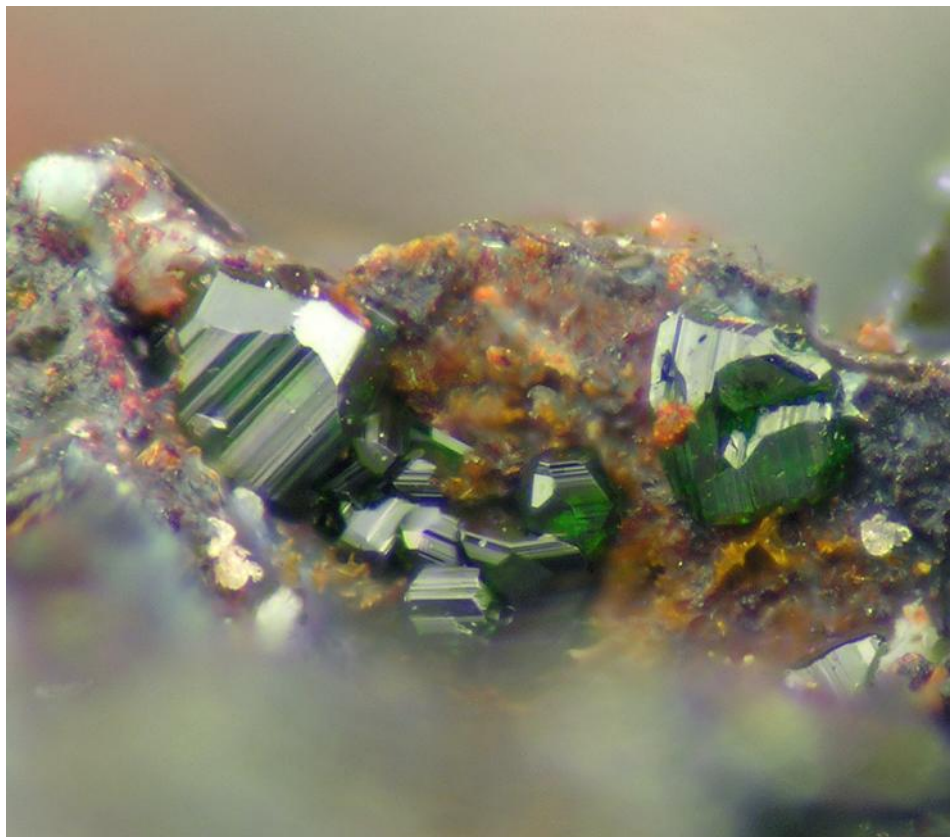
Ruizite—orange hemispherical sprays on white cottony Xonotlite with a bright blue crystal of Kinoite. Underlying the layer of Xonotlite are crystals of Apophyllite-(KF). The field of view is 3.0 mm. From the type locale for Ruizite, the Christmas Mine, Dripping Springs Mtns., Gila County, Arizona. Ruizite is named for Mr. Joe A. Ruiz, of Mammoth, Arizona, who discovered the mineral.



Ruizite—sprays of orange terminated crystals of this rare calcium manganese silicate with white fibrous Clinoenstatite and Apophyllite-(KOH) from the Cornwall Mines, Lebanon County, Pennsylvania. The field of view is 4.5 mm.



Namibite— $\text{Cu}(\text{BiO})_2(\text{CO}_3)_2$ —a bright-green somewhat hoppered 0.1 mm long crystal of Namibite, associated with pale yellow flat-lying fans of Beyerite, and silvery metallic native Bismuth. From the type locale for Namibite: Khorixas, Namibia. *Ex: Dr. Hans Börner collection.*



Namibite—superb brilliant green crystals from Copperopolis, Yavapai County, Arizona. The field of view is 0.5 mm. *Collected by Joe A. Ruiz.*



Anatase—brilliant black tabular crystals selectively coating the pyramidal faces of Zircon crystals. From the MP 164 area at Washington Pass, Okanogan County, Washington. The FOV is 2.8 mm.



Anatase— A dark brown striated crystal of Anatase with interesting terminal forms from Twll Maen Grisial, Fron Olau, Prenteg, Gwynedd, Wales, UK. The field of view is 3.0 mm.



Anatase— Very dark blue (appearing black) dipyramidal crystals on Calcite from Vaalkop Dam, Bulhoek Farm, Rustenburg District, Western Bushveld Complex, Northwest Province, South Africa. The field of view is 2 mm. *Collected by and ex from the collection of Dr. Hans Börner.*

Pacific Northwest Chapter of the Friends of Mineralogy

36th Annual Show and Symposium

October 15-17, 2010

Red Lion Inn, Kelso, Washington

Minerals of Australia

Featured Speakers

Harvey Jong

Mineral collecting in Tasmania

Mineral Collecting in Western Australia

John Sobolewski

The Minerals of Broken Hill

The Albert Chapman Collection

Penny Williamson

Current Specimen Producing Localities in Australia

Australia's Mineral Heritage

Main Floor Dealers

EARTH'S TREASURES: Richard Kennedy

LEHIGH MINERALS: Jim and Yolanda McEwen

MULTI-FRACTURED GEMS: Bruce and Pat Bennett

PACIFIC RIM MINERALS: John Meek

Main Floor featuring world class mineral displays

Room Dealers in the North Hallway

Free Admission to the Main Floor and Dealers

For pre-registration information or other inquiries, please contact

Symposium Chairperson George Gerhold ggerhold@comcast.net or the appropriate Committee Member:

Displays—Ray Lasmanis raymond.lasmanis@dnr.wa.gov

Dealers—Al Liebetrau liebetrauam@msn.com

Set-up/Tear Down/Audio-Visual—Wes Gannaway debnwes@comcast.net

Speaker Program—Allan Young allanyoung@msn.com

Facilities Coordinator—Le Snelling csnellin@onlinenw.com

Auctions—Karen and Gary Hinderman gkmhind@comcast.net

Room reservations should be made with the motel, the Red Lion Hotel at **360-636-4400**.

Identify yourself as being with the PNWFM for a special rate.



**PACIFIC NORTHWEST
CHAPTER
FRIENDS OF
MINERALOGY**

www.PNWFM.org

Editor: John Lindell

lindell4@aol.com

PNWFM CALENDAR

**Aug 6-8 - Annual Washington Pass
Cleanup** and collecting fieldtrip

Aug 13th - Washington Pass II

Sept 6-21—Nevada/ Utah Field trip
hosted by Wes Gannaway

Oct 15-17 - 36th PNWFM Symposium,
Minerals of Australia, Kelso, WA

Oct 14-16, 2011 - 37th PNWFM Sympo-
sium, *Minerals of Mexico*, Kelso, WA

DUES FORM

Last Name

First Name

Street Address

City, State, Zip

Phone

E-mail address

Dues

We had 110 members paid up for 2010 at the end of the chapter's fiscal year which runs from July 1 through June 30. This is the highest the membership has ever been and the largest local in the country. If you have paid dues since July 1, 2009 you are current. While we are starting a new fiscal year, for National purposes our members are paid up through the end of the calendar year.

Dues can now be accepted for 2011. Dues are \$15 annually, of which \$6 goes to the National FM. You can send your dues to me at any time using the form below. For greater convenience, dues can be paid along with Symposium registration in the space allowed on the form when received. If you pay by January our outstanding membership is reflected in the report at the annual FM meeting in Tucson. Ask me if you don't know your dues status:

<mailto:baritebill@aol.com>.

We assume you want to receive color newsletters and store your national and chapter newsletters on your computer. Newsletters will be sent via e-mail so include your current e-mail address below and let me (treasurer) know if it changes.

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

Bill Dameron, Treasurer, PNWFM
1609 NW 79th Circle
Vancouver, WA 98665