



# PNWFM NEWSLETTER

## Inside this issue:

President's Message	1-3
Washington Pass Report	4-5
Symposium Business	6-9
Seattle Mineral Mart	9-10
May Meeting Minutes	11-12
Report from the Micro-Mineral Study Group	13-17

## President's Message

Greetings, mineral lovers! I hope all of your summer collecting has been fruitful and safe.

In all of my past newsletters, I have always asked for member input on the organization and, more specifically, our symposium. Recently, I've actually heard from a few of you on the topic of the symposium: some good things and some, shall we say, "constructive feedback." I'd like to hear a broader input, so I'm going to create a short post-symposium survey for all members. Look for it in late October. Meanwhile, if you have concerns or compliments about PNWFM or the symposium, please get in touch. Listening to and acting on that feedback is what I'm here for.



## Washington Pass Cleanup Report

Our annual service project, campout and collecting trip at Washington Pass was held August 7-9, 2015. This trip was a lot of fun and was well attended with 14 collectors. This year's weather was good but smoky as there were fires raging north and west of Lake Chelan. On Saturday, an early evening squall cleared the air with a brief rainstorm. As is standard for the locality, most of us spent the collecting time cracking the alkaline granites and looking for micros of uncommon minerals including sogdianite, zeksterite, genthelvite, rare earth carbonates, gadolinite, titanite, pyrochlore, elpidite and the ever-present arfvedsonite, zircon, aegirine, astrophyllite and smoky quartz. There were also a few cabinet specimens collected. Tom Menzel found a very nice plate of 1 cm pink zektzerite crystals near the MP 166 road cut.

## Symposium 2015 Update

The 2015 Symposium theme is ***"Minerals of the Northeast US and Fluorescent Minerals."*** October 9-11, 2015 at the Kelso, Washington Red Lion. This is going to be a spectacular one, so make sure it is on your calendar!

### PNWFM Contacts

Bruce Kelley  
President  
bruce.kelley@gmail.com

Gary Hinderman  
Vice President, Pro Tem  
gkmhind@comcast.net

Karen Hinderman  
Secretary  
gkmhind@comcast.net

Linda Smith  
Treasurer  
vanegas3@comcast.net

George Gerhold  
Symposium Chairman  
ggerholds@comcast.net

Jim Etzwiler  
Webmaster  
kd7bat@arrl.net

Beth Heesacker  
Newsletter Editor  
heesacker@coho.net

We are now accepting registrations: <http://pnwfm.org/pdf/Symp15RegForm.pdf>

## Displays

If you would like a display case on the main floor, contact Bob Meyer ([pyrite111@hotmail.com](mailto:pyrite111@hotmail.com).) We'd love to see what you have to show, whether related to the Minerals of the Northeast US theme or not.

All of the space for fluorescent displays is filled, but PNWFM has a case with cycled SW and LW lights to share. I will be coordinating this case and will put in a half dozen pieces. PNWFM members are welcome to add their own pieces to the case, but please let me know ahead of time so I can make matching labels. Contact Bruce Kelley ([bruce.kelley@gmail.com](mailto:bruce.kelley@gmail.com)) if you can contribute to this display.

## Featured Speakers

Jeff Post: *Highlights and Stories from the Smithsonian Gem and Mineral Collection; Fluorescence in Gemstones*

Richard Bostwick: *Minerals and Mines of Franklin and Sterling Hill, Sussex County, New Jersey; Franklin and Sterling Hill: The Fluorescent Mineral Capital of the World*

Tom Moore: *Classic Mineral Localities of Southeastern Pennsylvania; The Phoenixville and French Creek Localities, Chester County, Pennsylvania*

Albert Liebetrau: *Common Minerals, Exceptional Fluorescence*

## Volunteers

Another aspect of the symposium, from my perspective, is to organize volunteers to manage the numerous tasks involved with running the show. We need help with a number of tasks:

### Friday afternoon and evening:

- Transport cases from the storage in Kelso to the Red Lion: This will take two or three trips with a pickup to move 12-15 cases.
- Set up the cases.
- Registration Table: hand out pre-registration packets, register late-comers, sell t-shirts.

### Saturday:

- Registration Table: hand out pre-registration packets, register late-comers, sell t-shirts. Ideally, we would get someone who is not interested in the talks to staff the table during them.
- Help with silent auctions
- Help with live auction
- We will also need to take the packets, shirts, etc. back after the show on Sunday afternoon.

### Sunday:

- Break down the display cases. 2-4 volunteers makes this quick work.
- Transport cases back to the storage in Kelso. This will take two or three trips with a pickup to move 12-15 cases.
- Registration Table: hand out pre-registration packets, register late-comers, sell t-shirts. Ideally, we would get someone who is not interested in the talks to staff the table during them.

### Nominations Committee

It is time to start preparing for elections of officers to take over in 2016. We have several openings: Treasurer, Vice President and President.

I have been involved in running volunteer organizations long enough to realize that I cannot expect people to jump up and say, "Pick ME!", but I would hate to miss someone who had that much enthusiasm! If you are interested in helping to run the PNWFM, please let me know. Thank you to Gary who has offered to run for VP. If nobody else is willing to step forward as president, I am willing to continue, but I'd rather give someone else the opportunity.

### Member Participation: Even more ways to get involved!

1. Write an article or send in a few photos for the newsletter. Going to a show? Send us a trip report! Find a weird fuzzy green mineral you'd like to share? Send us a photo whether you can positively identify it or not; I think mysteries are as fun as scholarly certainty. Thanks to Wes Gannaway, Beth Heesacker, Karen Hinderman, Al Liebetrau, Bob Meyer, Don Newsome, Lanny Ream, Alexander Schauss, and myself for providing newsletter content so far this year.
2. The same goes for the national Friends of Mineralogy newsletter! Represent the PNW chapter by sharing your passion with the world.
3. Plan to attend our 2015-2017 symposia:  
**October 9-11, 2015:** *Northeast USA and Fluorescent Minerals*  
**October 14-16, 2016**  
**October 13-15, 2017**
4. "Like" our official Facebook page: [facebook.com/PNWFM](https://facebook.com/PNWFM)
5. Visit the Rice NW Museum of Rocks and Minerals in Hillsboro, OR. PNWFM members get free admission and store discounts.
6. Send me ideas for how PNWFM can better serve you and the mineral collecting community.

Until next time,

-- Bruce Kelley, President, PNWFM

[bruce.kelley@gmail.com](mailto:bruce.kelley@gmail.com)

## Washington Pass 2015 Field Trip Photo Report

Photos by Bruce Kelley



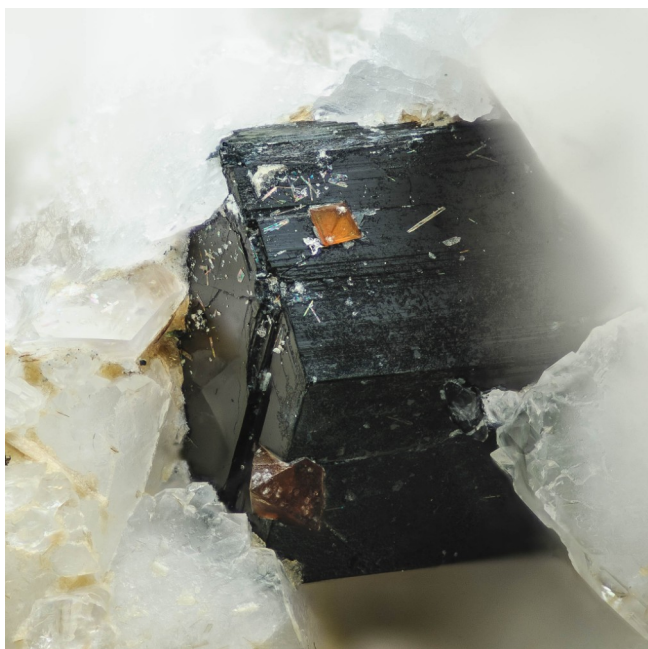
Bob breaks up a elpidite/  
pyrochlore/aegerine boulder at  
MP 166.



John and Barry explore the  
boulder field.



Randy and Tom examine a piece  
of the rare quartz-deficient  
granite from MP 166.



Current theory: Orange pyrochlore  
group octahedra on black  
arfvedsonite. FOV: 1.73 mm.





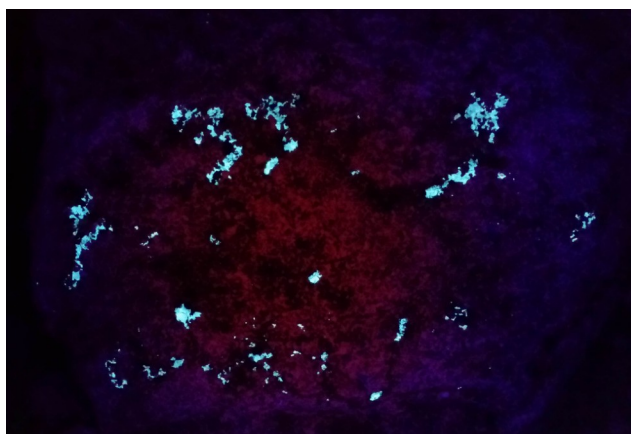
Yellow titanite crystal in quartz-deficient granite from MP 166.  
FOV: 1.83 mm.

UVMan! Tom demonstrates  
his custom zeksterite  
searching gear.



UVMan is successful! Pink  
zeksterite crystals from MP 166.  
FOV: about 8 cm.

A 45 cm boulder with plentiful  
seams of zektsterite, that looked  
like alien writing.



# The Pacific Northwest Chapter of the Friends of Mineralogy (PNWFM) and

## The Fluorescent Mineral Society (FMS)

will co-host the

### 41st Annual Mineral Show and Symposium

October 9-11, 2015

Red Lion Hotel, Kelso, Washington

## See Rocks that Glow!



See the largest exhibit of fluorescent minerals ever assembled on the West Coast



Ruby-Jagdalek, Afghanistan.  
Joe Budd Photography  
Michael Biavati Collection

The theme of the 2015 Pacific Northwest Chapter of the Friends of Mineralogy (PNWFM) Show and Symposium is "Northeast US Minerals and Fluorescent Minerals". In addition to the usual visible light mineral displays, this year's show will feature a special exhibit with 28 fluorescent mineral displays featuring some of the finest fluorescent minerals in the world.

The mineral show features four major dealers with worldwide mineral offerings, more than a dozen satellite

dealers, silent auctions throughout the weekend, a live auction on Saturday night, and world class fluorescent and visible light mineral displays.



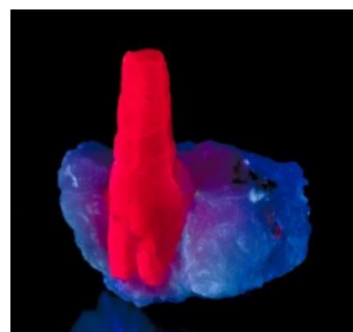
Adamite-Ojuela Mine, Mapimi, Mexico  
Joe Budd Photography  
The Arkenstone Collection

The mineral show is organized around a Symposium in which various speakers give presentations or demonstrations on topics related to the show theme. Those invited as speakers are experts in their chosen subject areas. This year's speakers are

**Jeff Post**, *Department Chair, Geologist, Curator-in-charge of the Mineral Collection at the Smithsonian National Museum of Natural History;*

**Richard Bostwick**, *the world's foremost expert on Franklin and Sterling Hill fluorescent minerals;*  
**Tom Moore**, *editor of The Mineralogical Record magazine and a prolific writer about minerals and mineral shows;*

**Albert Liebetrau**, *past president of the FMS and (with his wife) widely recognized for award-winning displays of non-fluorescent minerals.*



Ruby-Jagdalek, Afghanistan.  
Joe Budd Photography, LW 9W  
Way Too Cool UV light.  
Michael Biavati Collection

This year, the Fluorescent Mineral Society (FMS) is holding its annual meeting in conjunction with the Symposium so there will be additional activities for those interested in fluorescent minerals. These include two special meetings, one on Friday at 7:00 PM and one on Saturday at 3:45 PM. The FMS will have over \$5000 worth of free door prizes. Tickets for those door prizes will be given away only at the Friday FMS meeting. The drawing will be held at the Saturday FMS meeting.

A fee is required to attend the Symposium and registration is required. But all other show activities, including displays, access to dealers, and FMS activities, are **free and open to the public.**



Adamite-Ojuela Mine, Mapimi, Mexico  
Way Too Cool UV SW 9W light  
Joe Budd Photography  
The Arkenstone Collection

For more information about the FMS meetings, a list of the door prizes, or more information about exhibiting fluorescent minerals, contact Don Newsome at [don@uvminerals.org](mailto:don@uvminerals.org) or call 425-228-9988, or visit the FMS website at [uvminerals.org](http://uvminerals.org).

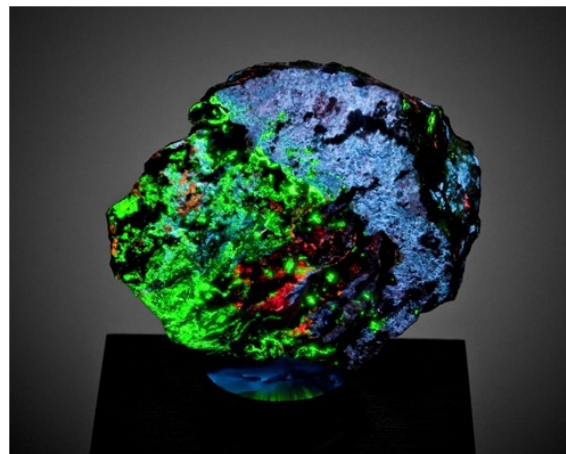
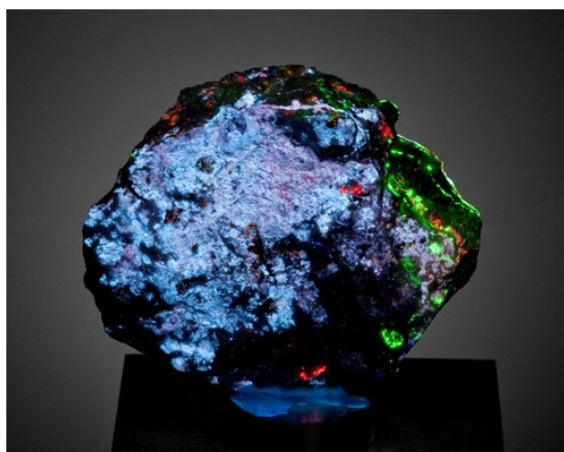
For more information about other show events, including the PNWFM Symposium, contact Bruce Kelley, **Symposium Chairperson**, at [bruce.kelley@gmail.com](mailto:bruce.kelley@gmail.com), Albert Liebetrau, **Dealer Liaison**, at [liebetrauam@msn.com](mailto:liebetrauam@msn.com), or visit the PNWFM website at [www.pnwfm.org](http://www.pnwfm.org).



**First Place Trophy for the “Best”  
Fluorescent Mineral Display at the  
combined  
Fluorescent Mineral Society Meeting  
and  
Pacific Northwest Chapter of the Friends of Mineral-  
ogy Symposium  
at the Red Lion Hotel in Kelso, Washington  
October 9-11, 2015**



The public is invited to see 28 display cases of fluorescent minerals at the Red Lion Hotel in Kelso, WA on October 9-11, 2015. There is no charge for admission. This will be the largest number of fluorescent mineral displays ever assembled on the West Coast. The public will be asked to vote on the “Best” fluorescent display. The winner will be awarded this trophy. Donated by UV SYSTEMS, Inc., it has on the top a rare Franklin, NJ margarosanite specimen mounted on a turntable. Besides the blue and pink short wave fluorescing margarosanite, it has willemite [fl. green], calcite [fl. red-orange], axinite-(Mn) [fl. red], clinohedrite [fl. orange], and non-fluorescing andradite. The value of the margarosanite specimen is greater than \$600.00. The specimen was originally obtained over 40 years ago from Thomas S. Warren, the founder of Ultra-Violet Products, Inc. (now UVP, Inc.). The two sides of the margarosanite specimen are shown fluorescing under short wave ultraviolet light.



Photos by Mark Mauthner. The fluorescent photos were made using a UV SYSTEMS, Inc. SW *SuperBright II* model 3254 ultraviolet light.

For more information about the symposium go to [www.pnwfm.org](http://www.pnwfm.org) or for information about the fluorescent displays go to [don@uvminerals.org](mailto:don@uvminerals.org)

# Fluorescent Mineral Society (FMS) Free Door Prize Drawings on October 10, 2015 at the combined Pacific Northwest Chapter of the Friends of Mineralogy (PNWFM) Symposium and FMS meeting

Door prize tickets (which are free) will be handed out only on Friday October 9<sup>th</sup> when you sign in for the 7:00 PM FMS evening meeting. The meeting will be held at the Red Lion Hotel in Kelso, WA. You do not have to be a member of the FMS or the PNWFM; anyone can get a door prize ticket when they sign in. However, you must be at the drawing on Saturday afternoon, October 10<sup>th</sup> in the Pine Room in order to get a door prize. No tickets will be given out on Saturday. The person coming the farthest will also get a door prize from the list below. The items below will be randomized, and the first ticket drawn will not necessary get the first item on this list. After the items below are taken, then door prizes will be grab bags of specimens or other items. When the items below are gone, then we will ask those that have tickets to turn in their ticket and pick up a grab bag. When everyone with a ticket has received a prize or a grab bag, then anyone else in the room can take a grab bag. That way everyone that attends the Saturday afternoon FMS meeting will get a prize, even if their ticket is not drawn. A few of the grab bags have a gift certificate or other items that have a value of between \$40.00 and \$225.00. Many of the grab bags will only have a Franklin, NJ calcite and willemite specimen or another specimen. There could also be additional items donated after today's date (June 10<sup>th</sup>).

Item	Item	Description or loca-	Donated by	Approximate retail value
1	Manganocalcite specimen	Huanggang Mine, Inner Mongolia Autonomous Region, China	Fine Minerals International	\$1,750.00
2	Scheelite specimen (fluorescent)	- Yaogangxian Mine, Chenzhou, Hunan Province, People's Repub-	Brain Kosnar Mineral Classics	\$800.00
3	SW UV light	<i>SuperBright II</i> model 3254	UV SYSTEMS, Inc.	\$499.00
4	SW/LW UV light	Model UVSL-26P	UVP, Inc.	\$394.69
5	Baryte (barite) specimen (weakly fluorescent)	2 <sup>nd</sup> Chance Pocket, Dreamchaser Claim, Lane Co., Oregon	Bohemian Minerals, AJ Luzier	\$250.00
6	SW/LW UV light	Model UV-5NF	Spectronics Corp.	\$169.00
7	SW/LW UV light	Versalume PP-FLS	Raytech Industries	\$103.48
8	Andersonite specimen (fluorescent)	D-Day mine, Owl Draw, Yellow Cat. Dist. Grand Co. UT	Shannon & Sons Minerals	\$100.00
9	Calcite specimen	Manaoshan, Hunan province,	The Collectors Edge	\$100.00
10	12 small fluorescent specimens	From the G. Fred Lincks collection (1970's)	Hudson Institute of Mineralogy, Excalibur Mineral	\$58.10
11	SW/LW UV light	M12 model	UV Tools	\$44.99
12	Azurite specimen (non-fluorescent)	Morocco	Peter-Michael Boyd 343 N. 104 <sup>th</sup> St.	\$40.00

In addition there are many more specimens that will be in grab bags, enough so that everyone will get something.

**Total retail value of all the donations is \$5,302.25**



## Special Demonstration at the PNWFM Symposium

I just got word of a very important development concerning the FMS meetings at the PNWFM symposium this Oct. I have been working with some engineers at the Pacific Northwest National Laboratory (PNNL) in Richland, WA to expose some minerals to gamma rays from a cobalt 60 source. Gamma rays have been known to cause phosphorescence or afterglow in some minerals (they will not be made radioactive).

After exposure the specimens will be immediately be put in a freezer or on dry ice to “freeze” they phosphorescence. When the specimens are brought up to room temperature they will glow (release their phosphorescence).

This gamma ray induced phosphorescence was first demonstrated to the public in Pasadena, CA in 1973 by Dr. Rossman of Caltech. At the time I got some of the specimens after the demonstration and keep them in my home freezer and when I brought them out days or weeks later and warmed them up you could still see the phosphorescence. It can be a very impressive demonstration because of the intensity and colors exhibited, besides showing some phosphorescence of minerals not known for being phosphorescent (scheelite). For more information about gamma ray induced phosphorescence see the 1974 *Journal of the Fluorescent Mineral Society*. Dr. Rossman conducted some experiments just for the FMS that are written up in that *Journal*. This will be only be the second time that gamma ray induced phosphorescence in minerals has been shown to the public.

This demonstration will be at the second FMS meeting which will be held on Sat. Oct. 10 in the Pine Room starting about 3:40 PM (or after the last symposium session for the day is finished).

Don Newsome  
NW FMS Chapter  
16605 127<sup>th</sup> Ave SE  
Renton, WA 98058

Phone: (425) 228-9988  
Email: [don@uvminerals.org](mailto:don@uvminerals.org)

## A Few Seattle Mineral Mart Pics



PNWFM Meeting



Some of the Temptations



## A Few More Seattle Mineral Mart Pics



More Temptations



## PNWFM Meeting Minutes

### May 16, 2015

President Bruce Kelley opened the meeting with 11 members present. Bruce presented the minutes from the board conference meeting of March 25, 2015 for approval. MSP minutes approved. Bruce is still seeking for members to form a nomination committee for our next round of officers. We have two nominations for the four positions. We still need a nomination for President and Treasurer. Please consider volunteering for these important board positions.

#### Symposium Update.

Publicity/Registration - Jennifer Moore of FMS will do notices in the local area. Al Liebetrau has the flyers ready on the website. Members should make copies for all local shows. Our FB page is up to date with information. Don Newsome has and/or will submit information to Rocks & Minerals, Rock & Gem, and Mineral News. Doug Merson will publicize in the event section of Mindat. Karen Hinderman will explore how to advertise in the Kelso/Longview area for free once settled there this summer. Karen and Beth Heesacker will come up with a 4"X5" ad for the NFMS newsletter to publicize in August and September editions. A registration form will be ready with regular registration information and more specific information for FMS members on an insert form. Registration form will be on the website. Reminder that attendees must be members of PNWFM or FMS. FMS members displaying fluorescent minerals will be receiving a 50% discount with registration.

Speakers – Allan Young has a full slate of talks and speakers lined up.

Hotel – Due to high cost of lunch, we voted to drop lunch as an option. Julian Gray checked on prices for a wireless headset. He found a deal for 2 microphones at a cost of \$550. We voted to have Julian purchase the headsets. PNWFM will pay for 50% and the Rice Museum will pay for 50%. Bob Meyer will check with the hotel to find out if we will still be charged to use the PA system. Bob will also check with hotel and insurance to see if FMS needs to be listed on the event insurance form.

Registration packets and contests – Registrations will be sent to Linda. Then she will forward everything to Bruce who will assemble packets. Bruce will coordinate self-collected contests for both regular specimens and fluorescent minerals. Rob Woodside volunteered to design a mineral ID contest.

Display Cases – Bob Meyer will coordinate main floor displays. Don Newsome is handling the fluorescent cases. Currently Don has 17 cases and is hoping for 20 – 28. Transportation of cases from storage to hotel is an area of need. If Doug Merson is available he will have a pickup ready to assist. Another pickup will be needed. The storage facility is only a few miles from the hotel. We need a crew to meet Gary Hinderman at the storage facility at 11 am. Tom Menzel will be waiting at the hotel at noon to unload and begin the task of setting up the room. Please volunteer to assist in this part of symposium preparation. We will also need a crew to assist in break down and returning cases to storage Sunday afternoon. Beth has volunteered to take the liners job from Karen who is quite relieved. With a big move planned this summer from Bellingham to Kelso, Karen did not think she could complete the liners job. Beth will contact both Al and Julian to get advice on liner material. Karen and Beth will coordinate getting a set of liners to Beth as a pattern.

FMS Coordination – FMS will be meeting in the Spruce room. There will be a Friday evening show and tell and short business meeting. On Saturday they will meet in the Pine room for a gamma radiation demonstration. There will be a meeting, auction, and prizes for best displays.

Possible Symposium Themes for 2016 – Minerals of the Himalaya's was suggested today. At the 2014 October meeting the following were suggested but not voted on: Minerals of Peru, Minerals of Morocco, Minerals of Tsumeb, German or European Classic Minerals, Butte, and Copper Minerals.

Washington Pass Cleanup will be coordinated by Wes Gannaway again. He is in contact with the Forest Service.

A discussion on adding Paypal as an option for registration and dues payments ensued. Bruce reported that the cost of using Paypal is 1.7%. Everyone agreed that it is time to add this option. A motion was made, seconded and passed to move forward with connecting Paypal to our bank account. Our treasurer will provide the necessary account numbers to Bruce who will then be responsible for connecting the two accounts. Bruce will continue in the role of liaison between Paypal and our regular bank account.

Good of the order – Does Bart Cannon have a viewing box for fluorescent minerals that we would be able to borrow for the symposium?

Secretary,

Karen Hinderman

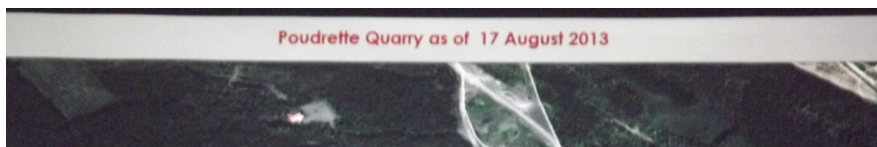
## Report from the Micro-Mineral Study Group

By Beth Heesacker

At the May meeting of the Micro-Mineral Study Group, Doug Merson gave a presentation on the Poudrette Quarry, Mont Saint-Hilaire, Quebec, Canada. I asked him if I could share pictures of some of his slides in this newsletter. Please note that any lack of quality in the pictures is my fault (including the crooked images). Doug does marvelous micro-mineral photography.



Doug Merson



Poudrette Quarry as of 17 August 2013



Main pit and east wall in April 1997



The lake in April 1997

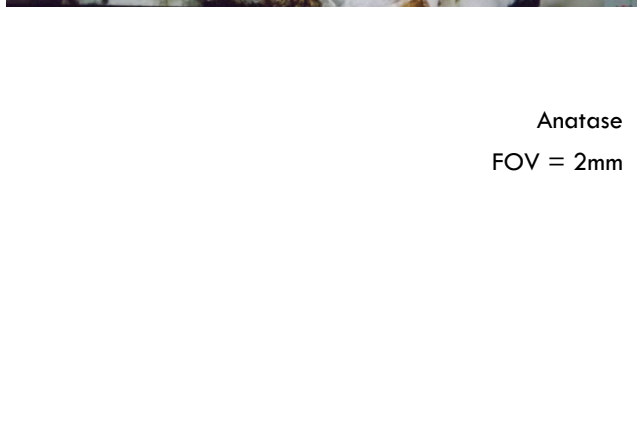
There are 403 valid minerals from this quarry and it is the type locality for 62 species.

There are 8 different mineral environments: unaltered pegmatites, altered pegmatites, marble xenoliths, soda syenite, miarolitic cavities, hornfels, igneous breccias, and sodalite xenoliths.





Adamsite-(Y).  
FOV = 4mm



Anatase  
FOV = 2mm



Astrophyllite  
FOV = 2mm

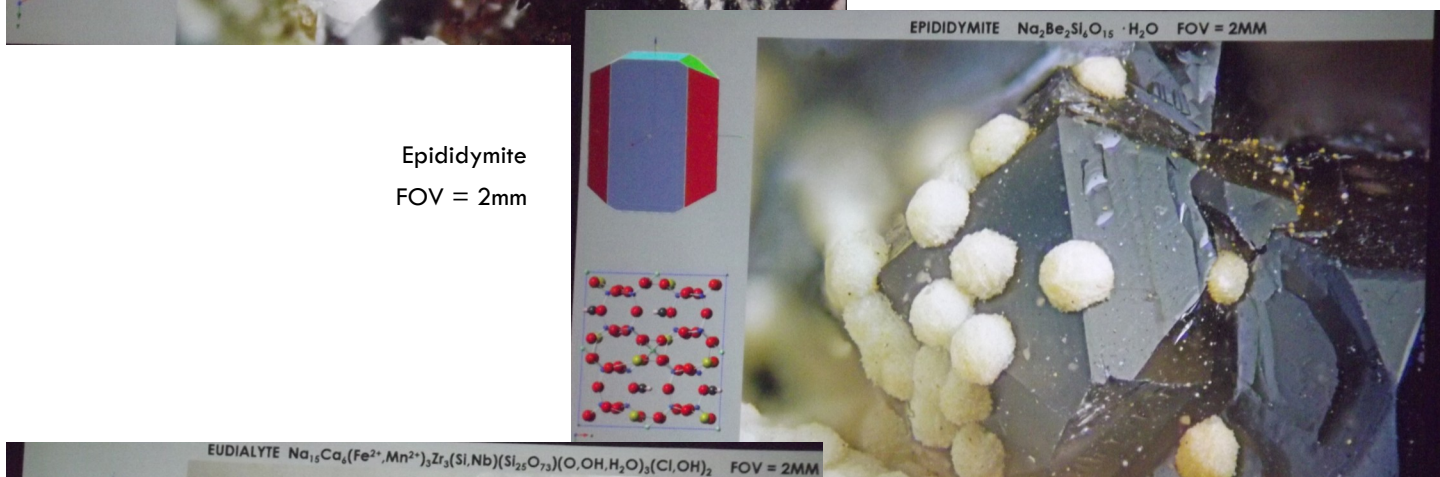


Carletonite  
FOV = 4mm





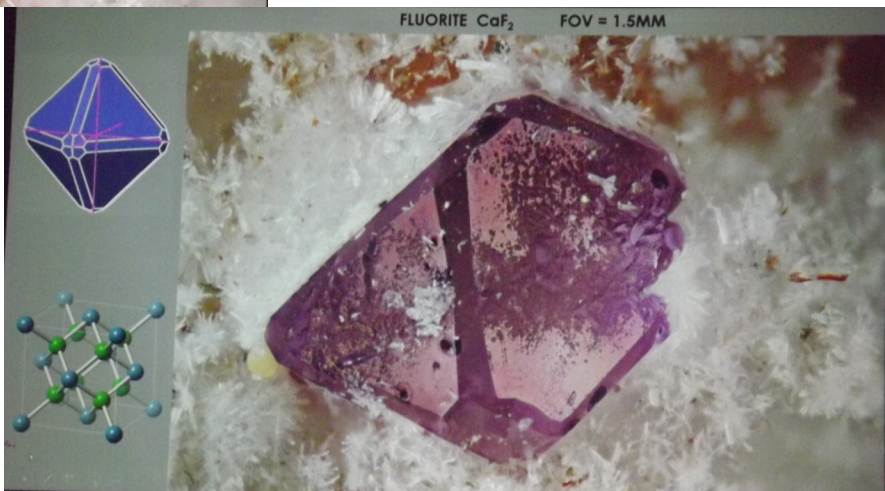
Cordylite-(Ce)  
FOV = 4mm



Epididymite  
FOV = 2mm

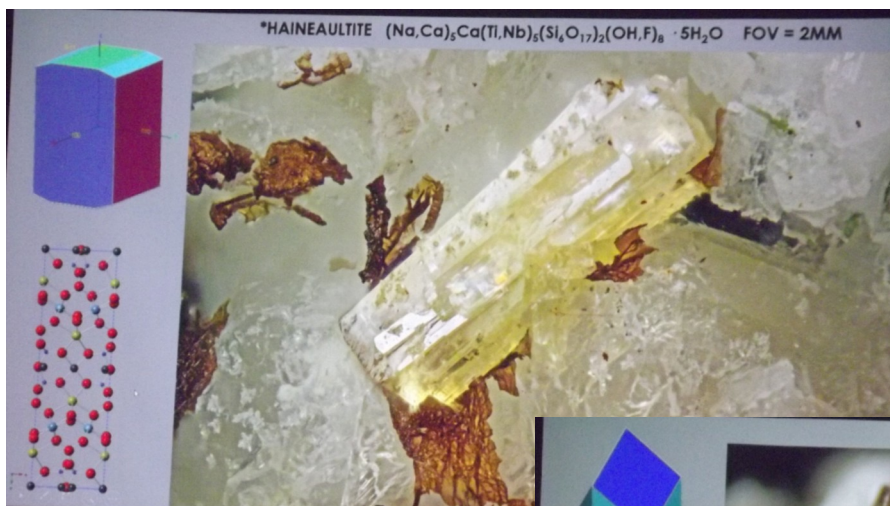


Eudialyte  
FOV = 2mm



Fluorite  
FOV = 1.5mm





Haineaultite  
FOV = 2mm

Hilairite  
FOV = 3.5mm



Labuntsovite-Mn  
FOV = 3mm

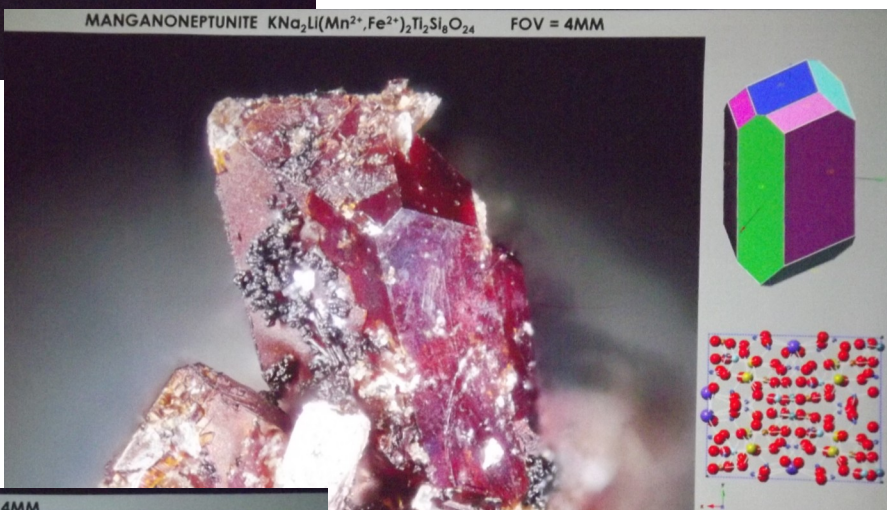
Lintisite  
FOV = 2mm







Manganokhomyskovite  
FOV = 3mm



Manganoneptunite  
FOV = 4mm



McKelveyite  
FOV = 4mm

Sepiolite  
FOV = 4mm







Siderite

FOV = 4mm

Strontianite, Titanite

FOV = 4mm



Tadzhikite

FOV = 4mm

Vinogradovite

FOV = 4mm





**PACIFIC NORTHWEST  
CHAPTER  
FRIENDS OF  
MINERALOGY**

[www.PNWFM.org](http://www.PNWFM.org)

Editor, Beth Heesacker

4145 NW Heesacker Rd.

Forest Grove, OR 97116

[heesacker@coho.net](mailto:heesacker@coho.net)

**PNWFM CALENDAR**

**41st Annual Symposium, October 9-11, 2015**

**Minerals of the Northeast US and  
Fluorescent Minerals**

**Red Lion Inn**

**Kelso, Washington**

**Micro-Mineral Study Group — November 7, 2015, 9-5**

**Clark County P. U. D. Building**

**1200 Fort Vancouver Way**

**Vancouver, Washington**