



# PNWFM NEWSLETTER

## SPRING MEETING AT SEATTLE MINERAL MARKET

SUNDAY, MAY 26TH, 4PM

**LAKE CITY COMMUNITY CENTER, 12531 28TH AVE NE**

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The Pacific Northwest Chapter of Friends of Mineralogy will hold its spring business meeting in conjunction with the Seattle Mineral Market on the last Sunday in May at 4pm. This show is a nonprofit trade event hosted by Bart Cannon. Table space is available for mineral related sales, trades, or informational material at the nominal cost of \$40 per table. Contact Bart at 206-522-9233 for details. About 40 local and national collectors and dealers will have space to promote their material. Over half of these are FM members. The show will run from 7am to 6pm on Sunday. Dealers may set up on Saturday evening or early Sunday morning.

This is one of only two business meetings each year for PNWFM so it is important to come to express your views. Items on the agenda will include upcoming field-trips, the fall symposium, upcoming elections, moving and storage of FM cases, and the future of the Seattle Mineral Market.

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Dear fellow mineral collectors, we are well into spring and into what seems a spate of warm weather. In years past, such warm streaks passed only to be followed by summers that never seemed to materialize. Let's hope this year that the fine weather is a harbinger of an excellent summer and fall.

When I last wrote, one issue that faced us was what to name our next symposium. Based on recommendations and numerous ideas, the symposium committee voted and arrived at: ***Minerals Galore: Alkaline Intrusive Complexes of the World***.

The idea came about when we considered what distinguishes Alkaline Intrusive Complexes from other localities. One thing stood out—they are diverse—many produce hundreds of individual species—literally *Minerals Galore*.

Planning for the symposium is well underway. We have put together an outstanding slate of speakers and their talks will span the world from our local favorite, Washington Pass, to Greenland, Quebec, and Malawi—literally *Minerals Galore*.

Our topic this year had gained a somewhat underground following, and was decided by the popular vote of our members at our last meeting. The topic is an area where there is much to learn—so it should be a great opportunity for our members to explore this area of mineralogy. Since it is an area where some of us, at least, are not as familiar, we welcome those who wish to display at the symposium this year to expand into the realm of Minerals of the Northwest should they not be able to mount displays from Alkaline Intrusives. This is in line with the undercurrent of perhaps the greatest Northwest Locale—Washington Pass. Of course, displays are always welcome that are different from the symposium theme. If, for example, you specialize in blue minerals, or fluorite from Mozambique, your displays of those specialties will be welcome.

I should mention that Alkaline Intrusives are not devoid of display worthy specimens. Some famous Alkaline Intrusive localities that have produced outstanding display specimens include the Erongo district in Namibia; Mount Malosa, Malawi; Mont St-Hilaire, Quebec; and our own Washington Pass area.

We will have a business meeting at the Seattle Mineral Market this year. The Mineral Market is on a Sunday—May 26—and the general meeting will be at 4:00 p.m. Topics will include a proposed work party to move our recently purchased display cases down closer to the site of our symposiums. The Seattle Mineral Market itself is an event that is worth attending. There will be a good number of mineral tables and dealers present, and the show attracts attendees from across the country.

We will once again hold our annual Washington Pass clean-up. This year, the clean-up will occur on August 9-11 at the Klipchuck campground in Okanogan National Forest. Please contact the Clean-up organizer, Wes Gannaway, [debnwes@comcast.net](mailto:debnwes@comcast.net), should you wish to attend. For those who have not attended, it is perhaps our most enjoyable annual event and you should come. We spend part of Saturday performing work for the National Forest, and the rest of the time is spent collecting and socializing. Highlights usually include collecting using UV lamps in the evenings, and a potential hike up Liberty Bell. This year is the year to attend, given our symposium topic.

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.

**Best Mineral Wishes,  
Bob Meyer**





## WASHINGTON PASS CLEANUP

PNWFM will hold its annual cleanup again this year on August 9th-11th. This will be especially eventful this year as it ties to the 2013 Symposium theme of alkaline intrusives. The locality will be covered extensively in talks and displays. Visit it first hand with the experts. As usual camp space will be reserved for the group on Friday and Saturday. A work party will be organized by the forest service on Saturday morning. The rest of the weekend will be free for collecting. Contact organizer Wes Gannaway at [debnwes@comcast.net](mailto:debnwes@comcast.net) for details.

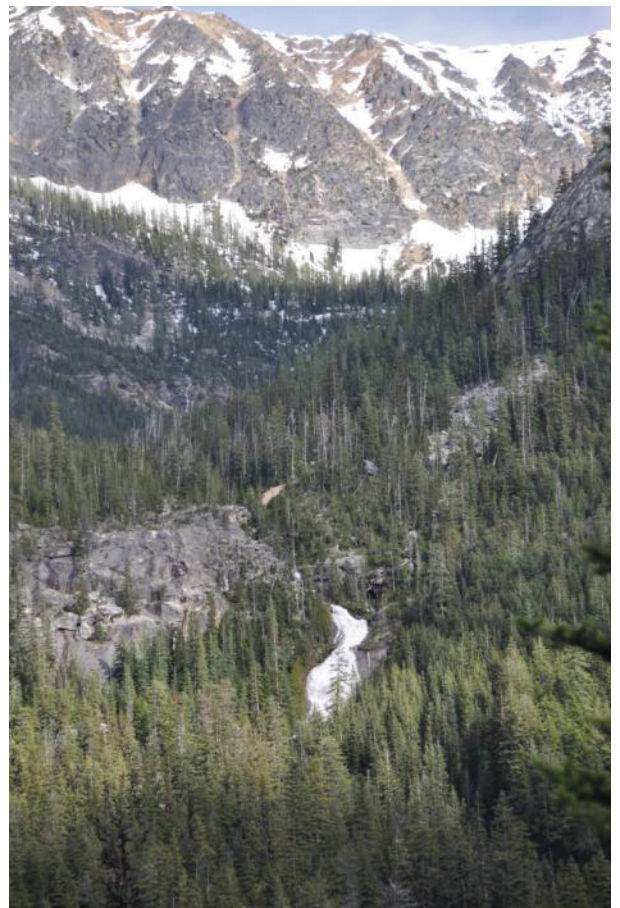


Zektzerite with Astrophyllite inclusions, Washington Pass, collected by Kristin Lindell

Photo by Frank De Wit



Above– Opening a large weathered pocket which produced over 100 Zektzerite crystals up to 2cm. Photo by Kristin Lindell.



Right– Willow Basin as seen from “The Rockslide” pullout on the highway. Photo by John Lindell

## UPCOMING ELECTIONS

Pacific Northwest chapter members will vote this fall to elect a new slate of officers for a two year term.

The current officers have done a fantastic job and will be difficult to replace, but luckily many have agreed to run for another term. The nomination committee has nominated the following members for office. Anyone wishing to add nominations for office may do so at the next meeting or by contacting Bob Meyer, president. Voting will be done by e-mail or mail before the symposium this fall.

Current nominees:



President - Bruce Kelley



Vice President– Ray Lasmanis



Secretary– Karen Hinderman



Treasurer– Linda Smith

In addition, John Lindell will be stepping down as newsletter editor this fall. Anyone interested in taking over this critical position should consider volunteering to the newly elected president.

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## SYMPOSIUM DISPLAYS

If you can display at this years symposium, please contact the display chair, Ray Lasmanis at [ray.lasmanis@dnr.wa.gov](mailto:ray.lasmanis@dnr.wa.gov). The theme for this year is alkaline complex minerals. If you cannot fill a case on the theme or are unsure of what to display, Ray suggests that you choose a Pacific Northwest locality or theme.

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# **The Pacific Northwest Chapter of the Friends of Mineralogy 39th Annual Symposium and Mineral Show**

**October 11-13, 2013  
Red Lion Inn, Kelso, Washington**

## **Minerals Galore! Alkaline Intrusive Complexes of the World**

### **Speakers**

**Randy Becker**

"The Golden Horn Batholith "

**Henrik Friis**

"The Ilimaussaq Complex"

"Comparison and Contrast: Washington Pass, Mt. Malosa (Malawi) and Gjerdingen (Norway)"

**David Joyce**

"Mont St. Hilaire"

" Calcite Vein-Dykes of the Grenville Geological Province"

**Mike Wise**

"Mt. Malosa"

### **Main Floor Dealers**

**EARTH'S TREASURES: Richard Kennedy**

**LEHIGH MINERALS: Jim and Yolanda McEwen**

**PACIFIC RIM MINERALS: John Meek**

**XTAL: Dennis Beals**

### **Room Dealers**

North hallway rooms will be selling minerals from Pacific Northwest and worldwide locations

### **Displays**

The Show will feature at least sixteen world-class mineral displays, including  
a display from the Northwest's finest mineral museum:

**The Rice Northwest Museum of Rocks and Minerals**

### **Free Admission to the Mineral Show and Dealers**

**For more information: Contact**

**Bob Meyer ([pyrite111@hotmail.com](mailto:pyrite111@hotmail.com), 425-433-1088)**

**Albert Liebetrau ([liebetrauam@msn.com](mailto:liebetrauam@msn.com), 541-504-4751)**

## In Memorium: Charles M. Shaw

By Bob Meyer



Charles Shaw examining a mineral specimen at the 2008 Seattle Mineral Market



Charles Shaw visiting UC Berkeley in 2008

**Friends of Mineralogy Member**, geologist, and long-time mineral collector from the Pacific Northwest, Charles M. Shaw, Ph.D, passed away on August 12, 2012. Charles grew up in Southern California and began collecting minerals as an early teen, probably starting from family trips to National Parks. He began his study of geology at Pasadena Jr. College and then entered Caltech before enlisting in the Navy in 1944.

After the war, he entered the University of California, Berkeley, receiving a BS in Chemistry in 1950 and then joining the department of Geology and Geophysics, where he earned a Ph.D. in 1956. The subject of his doctoral thesis was "An investigation of some chemical reactions involved in the genesis of metamorphic rocks" supervised by John Verhoogen. The research was an experimental study of the system  $\text{MgO-SiO}_2\text{-H}_2\text{O}$ . During his studies he received a Fulbright fellowship to visit petrologist Tom Barth in Oslo, Norway.

Charles worked as an independent consulting geologist in the Western U.S. and in New Zealand. Later, he lived for 30 years in Eagle's Nest, La Conner. His property there tied in well with his lifelong interest in minerals as it contained in addition to his house a strontium mine, the Alverson Mine. Charles had a keen interest in mining and mining properties, especially when it came to gold and silver mining.

I have very distinct memories of meeting Charles for the first time at an auction at one of the early PNWFM symposiums I attended. From then on, would meet at the symposium and often would discuss minerals and mining. In particular, Charles liked ore specimens, especially those from unusual locales and of unusual minerals. Charles was always good natured, thoughtful, and was ready with a chuckle.

Thanks go to Charles' sister Barbara Barck and to Professor Rudy Wenk of UC Berkeley for much of the biographical information in this article.



## LOST LOCALITY, WASHINGTON AQUAMARINE

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### INVESTIGATION OF A REPORTED OCCURRENCE OF BERYL IN THE DEL CAMPO - GOTHIC PEAK AREA

#### PURPOSE AND SCOPE OF INVESTIGATION:

This survey was conducted to investigate reported occurrences of pegmatites containing beryl. In this state, beryl is not known to occur in commercial quantities. With the increased demand for beryllium, occasioned by discovery of new uses, it was of importance that this reported occurrence be investigated.

The party, composed of the State Superintendent, the Snohomish County Supervisor, and three members of the Snohomish County crew, left Index August 11th and returned August 15th. All supplies were back-packed on the twelve mile hike.

Although the purpose of the reconnaissance was the investigation of reported pegmatite and beryl occurrences, notes on the geology were kept.

#### LOCATION OF AREA:

The area under consideration is located in the unsurveyed, northwest corner of the Skykomish quadrangle in what probably would be T. 29 N., R. 10 E.

Roads into the area are entirely lacking at present. The railroad connecting Monte Cristo with Robe and Granite Falls is being



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dismantled and the rails taken up. Subsequently a road is to be built on the railroad grade.

MEANS OF ACCESS:

Perhaps the shortest route into the area is via the Mineral City - Monte Cristo - Del Campo trail. Index, Washington, is the last town on the way at which supplies can be bought. The Mineral City road turns off from the main Index-Garland Hot Springs road at Galena - - about nine miles from Index. Over the four miles from Galena to Mineral City, the road traverses the west side of Silver Creek. This road is steep, narrow, and rough, having been surfaced, in the main, with broken, sharp rock from the cuts near by. From Mineral City (consisting of a cabin and a tent) the road merges into a trail in somewhat less than a mile. This trail follows Silver Creek for two and one-half miles to the summit of Poodledog Pass. At the summit, a trail takes off sharply to the southwest to Silver Lake. Silver Lake, a beautiful cirque lake, is only about one-third of a mile from the junction of the two trails. From the summit of the pass to Monte Cristo, the descent is rapid, dropping down over 1400 feet in the one and one-half mile distance.

A trail following the old railroad grade for one-half mile parallels the South Fork of Sauk River from Monte Cristo to Weden Creek, a distance of two and one-half miles. Here the Del Campo trail turns sharply to the southwest. To the summit of the pass between Del Campo and Gothic Peaks, the trail follows a ridge running nearly parallel to Weden Creek. From the junction of the trails to the summit, the distance is about five miles.



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The towns nearest the area are Index and Robe. Index, to the south of the area, is some two miles off the Stevens Highway (State Road, No. 15). Robe, to the northwest, is at the end of the gravelled road passing through Granite Falls.

Monte Cristo, a mining town of considerable importance forty years ago, has declined to only a few buildings and cabins. Old reports, contracts, and letters scattered around the old hotel building indicated that there was some activity in the district as late as 1927. It is reported that a large mining company has recently purchased several of the holdings and is contemplating reopening the district.

Mining activities in the area consist of prospecting and doing assessment work. There are numerous prospect tunnels and holes in the area but no producing mines. Some of the tunnels are on lodes containing sulphide minerals. At least a dozen prospect holes in diabase dikes were casually noted. The prospector of each had been enticed by an accumulation of iron stain formed by the weathering of the rock along fractures.

Approximately two sections of land were investigated carefully. These two sections lie in a basin nearly on the crest of the ridge. This basin is bounded on the north by Del Campe Peak and on the west by the ridge separating the Weden Creek drainage from the headwaters of the Sultan River.

#### NOTES ON THE GEOLOGY:

Outcrops are numerous. The floor of the basin is almost devoid of vegetation. Many of the exposures show glacial striae.



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Arkose and arkosic sandstones are the rocks exposed over the floor of the basin and on the ridge to the west. These rocks have been intruded by diabase dikes. Some pegmatite dikes were observed. Quartz veins, in which the quartz occurs in euhedral crystals, are quite common.

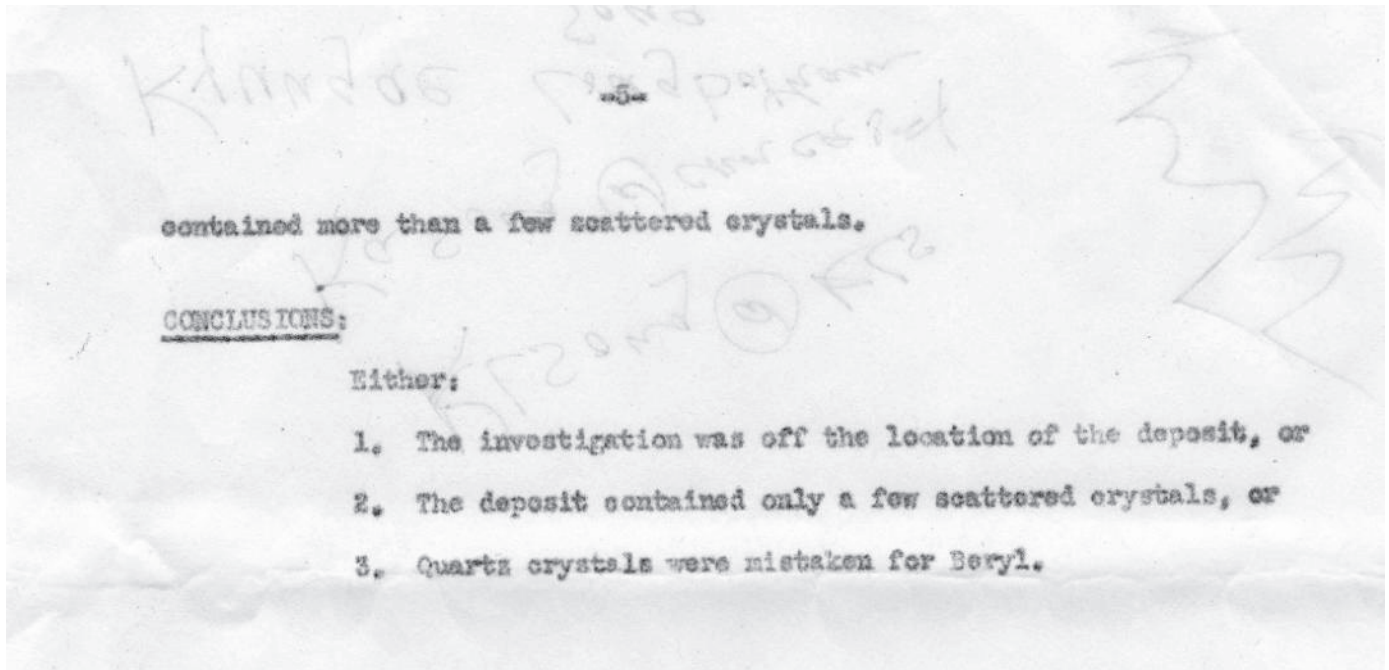
A large slab of arkosic sandstone containing ripple marks was seen on the trail.

Beryl was reported to have been found a few hundred feet southwest of a deep lake lying at the northwestern end of the basin and at the foot of Del Campo Peak. Probably the right location was found because an old, rusty pick and some caches of dynamite were found. Several shallow holes still remained as evidence that someone had investigated the area for minerals. Quartz crystals were strewn over the surface of the ground.

#### METHOD OF INVESTIGATION:

After finding what appeared to be the right place, the men were deployed to traverse the hillslope in an east-west direction. These traverses were not more than 25 feet apart. By this means, the hillslope was investigated in an area extending from the lake southward for at least one-fourth of a mile. In places, some pegmatite was found. At these places, shallow test pits were dug until solid rock was uncovered. At no place, were any crystals found which remotely resembled beryl.

The investigation was made on the basis of a report of such nature that would lead one to believe it. According to the report, two crystals were sold, one for \$50 and the other for \$75. The man who had found and sold the crystals was contacted and the report was verified. This man, a successful business man, was of the opinion that the beryl deposit



Editors note: This publication is from state records from the 1940's. The owner of the beryl's reported in the investigation was the father of Alice Haggard, former PNWFM member. No one to my knowledge has followed up on this report.



Aquamarine Beryl  
7cm doubly terminated  
Sawtooth Mtns, Idaho  
Collected by Lanny Ream  
Photo by and collection of  
John Lindell





**PACIFIC NORTHWEST  
CHAPTER  
FRIENDS OF  
MINERALOGY**

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

Editor: John Lindell

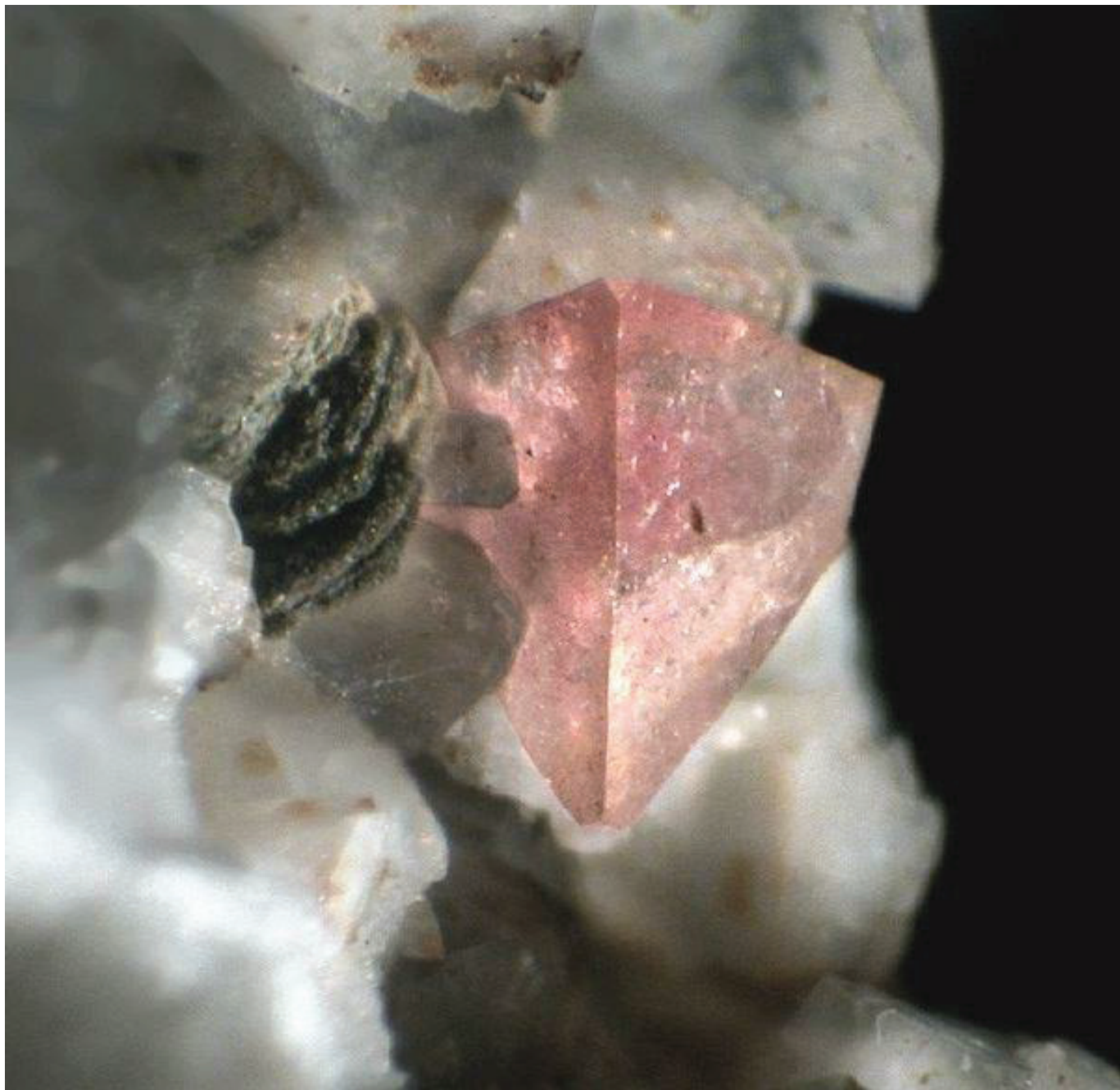
[lindell4@aol.com](mailto:lindell4@aol.com)

**PNWFM CALENDAR**

PNWFM Business Meeting at  
Seattle Mineral Market—May 26th, 4pm

Washington Pass cleanup—August 9th-11th

PNWFM 39th Annual Symposium  
October 11th-13th



**Genthelvite**

**Milepost 164.8, Washington Pass, Okanogan Co., Washington**

**Collected by and photo by Saul Krotki**

**Mindat photo of the day #195173**