



# PNWFM



## President's Message Toby Seim

No report submitted

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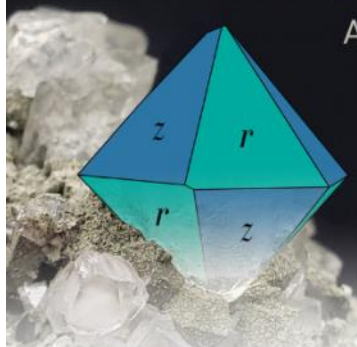
## PACIFIC NORTHWEST FRIENDS OF MINERALOGY 2022 SYMPOSIUM CRYSTAL HABITS – THE GOOD & THE BAD OCTOBER 14-16, 2022

Featuring talks by Rick Kennedy, Erin Delventhal,  
Frank Ruehlicke and More!  
Floor and Room Dealers  
World Class Mineral Displays  
Auctions and Camaraderie



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AND ONLINE

Register at [PNWFM.ORG](http://PNWFM.ORG)



# SYMPOSIUM REGISTRATION IS OPEN

## Symposium News and Auction Updates

By Karen Hinderman

As many of you have noticed, we are “behind the ball” so to speak in getting information out about our upcoming symposium. Please forgive us and be patient with us. Dealing with a hotel, speakers, expensive flights, and any service in this late stage-Covid time period has been difficult.

You can now call the hotel and reserve a room. **When you call, tell them you need the associate code discount for the Friends of Mineralogy event.** Unfortunately, the Red Lion is no longer serving food or beverages. This creates a situation for us where we will need to bring in a caterer for dinner. We are still working out the details for this. Please feel free to bring your own drinks to dinner this year. Also, plan ahead to have meals off site, or bring plenty of food along with you to have in your hotel room.

As for the annual silent and live auctions, please bring your donations! And, of course, bring plenty of money to purchase the auction items. We really need to have a successful auction to help pay for some of the extra expenses.

Reminder to let Bruce Kelley (bruce.kelley@gmail.com) know if you are willing to put in a display case, and let Brittany Burkhardt (mineralsandfossils@gmail.com) know if you are going to be a satellite dealer. I will be going to the hotel one week prior to the symposium to make sure that all satellite dealers are assigned rooms in the correct hallway. Please make sure you have your reservation made by then.

PACIFIC NORTHWEST FRIENDS OF  
MINERALOGY

2022 SYMPOSIUM

**CRYSTAL HABITS:**

**THE GOOD & THE BAD**

**OCTOBER 14-16, 2022**

Featuring symposium  
talks by Rick Kennedy,

Erin Delventhal,

Frank Ruehlicke and More!

Floor and Room Dealers

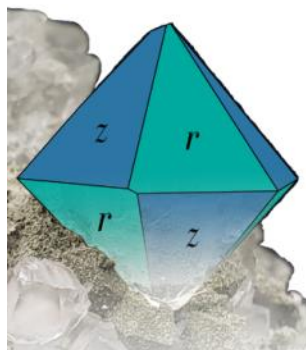
World Class Mineral

Displays

Live and Silent Auctions

**LIVE IN KELSO, WASHINGTON  
AND ONLINE**

**Register at [PNWFM.ORG](https://PNWFM.ORG)**



**Get ready! Friends of Mineralogy Pacific Northwest Chapter's 2022 Symposium is set for October 14-16 in Kelso, Washington, with live streamed talks available for those who prefer to join in from home.**

### SHOW HIGHLIGHTS

**Main Floor Dealers** – XTAL, Pacific Rim Gems & Minerals, Earth's Treasures, and Cascade Scepters.

**Satellite Dealers** – Located in first floor rooms in north wing of hotel. Dealers must be registered symposium attendee. Contact Brittany Burkhardt at [mineralsandfossils@gmail.com](mailto:mineralsandfossils@gmail.com)

**Exhibits** – Fine mineral exhibits can be seen in the Main Floor area. Display cases provided by FM. Contact Bruce Kelley at [bruce.kelley@gmail.com](mailto:bruce.kelley@gmail.com)

**Auctions** – Silent auction ongoing during show hours and live auction during Saturday night banquet. Donations needed! Contact Karen or Gary Hinderman at [gkmhind@comcast.net](mailto:gkmhind@comcast.net).

**Guest Speakers** – Excellent talks on the show theme are scheduled for Saturday. Speakers include Rick Kennedy, Erin Delventhal, Frank Ruehlicke, and more to be announced soon!

### OTHER INFORMATION

**Main Floor Security** – Badges provided for dealers and exhibitor at check-in. Only badge-wearing individuals allowed on floor during set-up, take-down, and off-hours.

**Meals** – The hotel is not offering meal or beverage service. Please register for our informal dinner and auction event Saturday evening!

### ROOM RESERVATIONS

Attendees should make room reservations directly with Red Lion Inn at 360-578-4017. Identify yourself as being with the PNWFM to obtain the special rate. *Hotel does not permit over-nighting in the parking lot.*

### 2022 PNWFM SYMPOSIUM REGISTRATION FORM

Register online at [pnwfm.org](http://pnwfm.org) or complete the form below and mail with a check

Mail fees and completed form to: Bruce Kelley, 351 Reef Rd, Nordland, WA 98358

**Name(s):** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_

**Phone:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

General Registration (Includes membership, symposium registration, and Saturday dinner)

Before Oct. 1: \$120 x \_\_\_\_\_ registrants = \$ \_\_\_\_\_

After Oct. 1: \$130 x \_\_\_\_\_ registrants = \$ \_\_\_\_\_

Symposium Only (membership, symposium registration, no dinner):

Before Oct. 1: \$85 x \_\_\_\_\_ registrants = \$ \_\_\_\_\_

After Oct. 1: \$95 x \_\_\_\_\_ registrants = \$ \_\_\_\_\_

Livestream Only (membership, live stream link only::

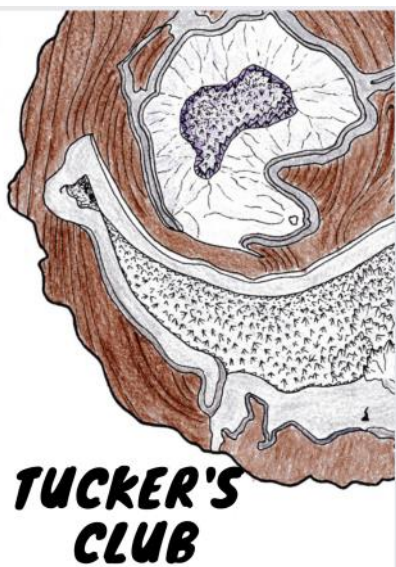
\$25 x \_\_\_\_\_ registrants = \$ \_\_\_\_\_

☐ Add-on room dealer fee, \$25

**Total enclosed:** \$ \_\_\_\_\_



## What Is New At The Rice Museum



### MINI MINERS

We are teaming up with [Diamond Dan Publications](#) for year two of our free online club to offer the e-magazine **Mini Miners**. This monthly publication is filled with activities and information about minerals, crystals, gems, rocks, and tips on how to build a great mineral collection. So if you have a kid who loves rocks and minerals, they'll fit right into **Tucker's Club**. Tucker's Club is **FREE** to all, but registration is required to become an official member. Members receive **free passes** to the Museum, an official member **badge**, and invitations to **special club events** at the Museum.

### FREE GROUP TOURS

The Museum is offering **free guided group tours** (guided experiences) **through November 2022** thanks to the generous support of the **Juan Young Trust**.

These limited capacity group tours hit all of the same Next Generation Science Standards as the Museum's typical school tour program and are lead by the same enthusiastic group of educators. Tours include outdoor activities (weather permitting).

Advanced registration is required. These are mixed group (families) tours.

### HAVE YOUR NEXT EVENT AT THE MUSEUM

We are now taking reservations for 2023 and beyond. Just minutes from downtown Hillsboro, our woodland settings and beautiful mineral displays offer a unique, relaxing backdrop for all your events, including banquets, seminars, workshops, company picnics, and weddings.

#### MUSEUM HOURS:

Wednesday 10:00 am - 4:00 pm

Thursday 10:00 am - 4:00 pm

Friday 10:00 am - 5:00 pm

Saturday 10:00 am - 5:00 pm

Sunday 10:00 am - 5:00 pm

23685 NW Groveland Dr.

Hillsboro, OR





# John Dagenais (Sept 4, 1945 - March 29, 2022)

by Rob Woodside, June 6, 2022



*Figure 1 John Dagenais, ready to go to work at the North Star Mine in September 2010. Wes Gannaway photo*

A few weeks ago, Mineralogy lost a significant collector and a dedicated amateur researcher when John Dagenais died. John was a bit of a perfectionist. Anything he did from building their garden to building his collections, he did passionately.

John's Dad was in the Canadian army and the family moved around quite a bit when John was young. After John finished school, he signed on with the Ontario Department of Highways and became a surveyor. In 1967 while John was staying with a work crew at a Minden hotel, he met Maxine, his future wife who was only accidentally there. That was the beginning of their lifelong marriage.

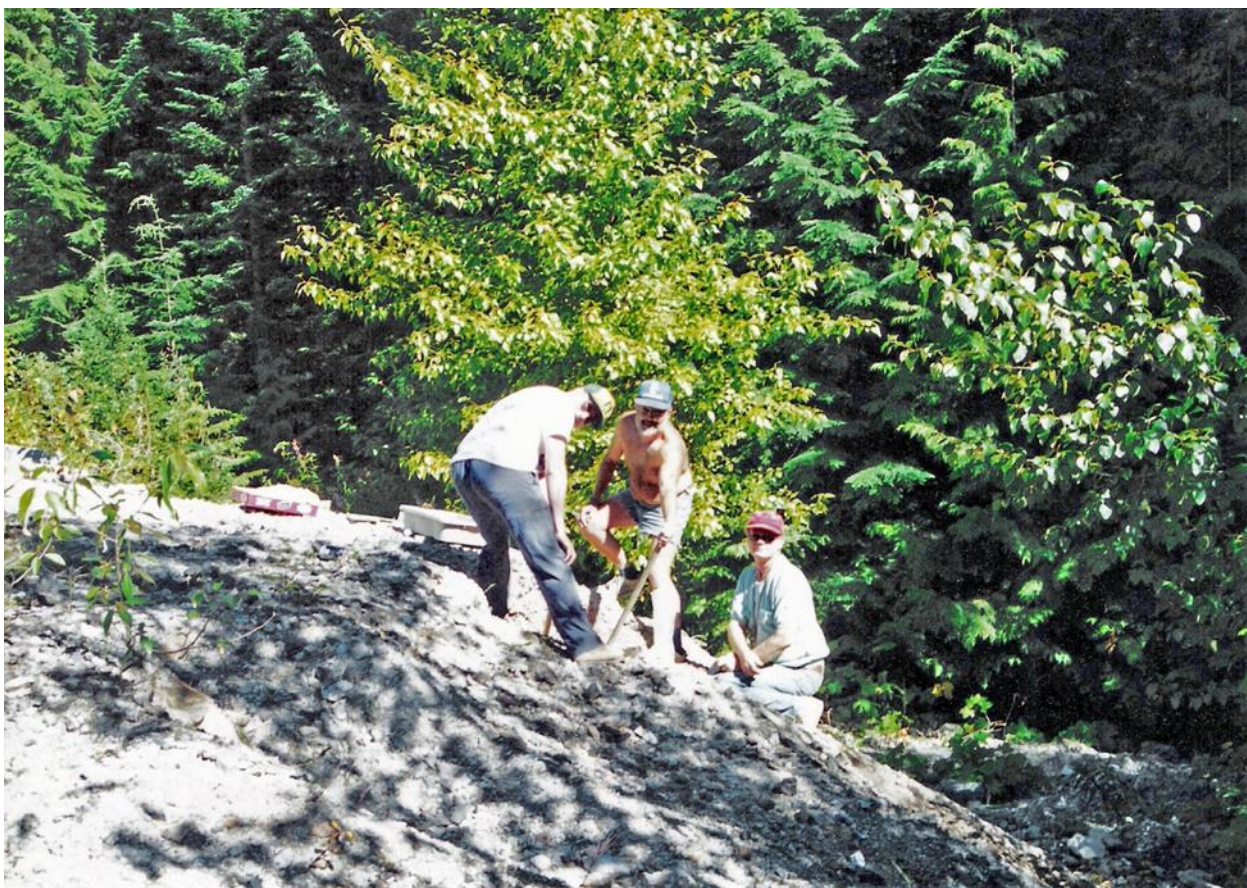
In 1969 they left Ontario for Vancouver and they discovered minerals for the first time along the way. They were amazed at the Amethyst they could collect at the old Pearl Mine in Thunder Bay. They weren't as successful with fossils at Drumheller, but John was always curious and had a newfound hobby.

After arriving in Vancouver John got a job with the Associated Engineering Company. Starting as a surveyor, he soon became a construction inspector, making sure the work done matched the contract specifications. He stayed with them until he retired in 2006 working on many local infrastructure projects involving bridges, roads, and lighting.

In the 1970s, John attended evening lectures hosted by the University of British Columbia geology department and by the late Joe Nagel, then curator of the UBC Mineral Collection. At these Friends Meetings, he met other enthusiastic collectors, and they formed a close-knit group of life-long friends who met regularly for beer and pizza. At these gatherings, they would each bring minerals for “show & tell”, and spend the evening peering through microscopes or loupes intrigued by what they found. One fun group activity was to visit the late Bart Cannon and his microprobe in Seattle. Bart's late-night hours were grueling. As the sun was rising, they would be driving back to Vancouver. So, at one of Joe's meetings, the Department Chairman stopped by and John asked him if he could do probe work for UBC and maybe some for himself. Since John was paying for the beam time, they showed him how to run it. He quickly found that the additional expense of paying for a technician was more efficient and cheaper than doing it himself. John took hundreds of spectra and eventually was finding new minerals.

Joe Nagel had a mineral business to make money to buy specimens for the department's collection and in 1975 he sold that business, Golden Ears Minerals, to John and Max. They continued the business together until 1985.

Around 1980 John had kidney failure. This was his first medical problem and it would slow him down temporarily. With two kidney transplants, a heart attack, and a stroke; it is remarkable that John just kept rebounding and lived a very full life until the end.



**Figure 2** Ty Balacko, in the center, has discovered an inordinately large, for Van Silver, chunk of sulfide-bearing rhyolite, and Barry Murphy, on the left, and John Dagenais, on the right, give him moral support as he pries it out. Robert Meyer photograph, July 1989.



John was incredibly skilled and diligent in his use of the stereoscopic microscope. For example, Ty Balacko had found orange pyrostitilpnites at the Van Silver Mine, near Whistler, British Columbia. These were very rare until one meeting when John told us they were quite common but small. We had been looking at 20x magnification and when we went to 75x magnification, as John did, they were as John said common! While most field collectors will scan their field collected material at 20x to 40x and zoom in for items of interest, John routinely examined his field collected material at 60x to 80x.

One of John's most admirable traits as a field collector and amateur mineralogist was the diligence with which he processed his field collected material. We would return from locales such as Van Silver or the Tintic district with buckets and boxes full of hundreds of kilos of typically vuggy rocks. We would then meet up later and while most of us would have looked at a few pieces and have something to share, John would have completely processed his findings and would have all the specimens with handwritten labels and arrows on them pointing out the relevant crystals, all boxed in flats or drawers.

Being a bit of a perfectionist John would always see if he could improve a specimen with a little acid leaching or careful trimming. John was constantly refilling his trim bucket and had to find somewhere to dump it. Ty Balacko went looking for his dumpsite and rescued specimens from it. Now a couple of John's former Australian Millerites grace a couple of local collections.

John was an avid field collector. His knowledge was such that he could almost immediately spot crystalline forms in the rock. His workmanship was great. He would spend all day digging and pounding. Every one of us enjoyed collecting with John and his input was valued. Locally we would field collect at Silica Bell, Van Silver, Bear Mountain, etc. but it was John's annual field trips to the US where he self-collected his new species. He found Auriacusite and [Joëlbruggerite](#) at the Black Pine Mine, Montana, and Chromschiefelinite at Otto Mountain, California. In 1998 John partnered with Wes Gannaway for field trips to Majuba Hill, Nevada, and the Tintic District, Utah. He and Wes would go into the Majuba Hill mine around 3 PM and come out when they got hungry and found it was 3 AM.



*Figure 3 Wes Gannaway on the left and John Dagenais at the North Star Mine in the Mammoth Tintic Mining District in Utah on September 21, 2010. Robert Meyer Photograph*



*Figure 4 Members of Pacific Northwest Friends of Mineralogy, left to right are, John Dagenais, Maxine Dagenais holding their dog Winnie, and Wes Gannaway standing on the front steps of the main office of the Eagle and Blue Bell Mine, just up the hill from Eureka, Tintic District, Utah. The photograph was taken on September 22, 2010. Robert Meyer photograph.*

John always liked impressive specimens and built a superb collection of thumbnails to cabinet-sized examples from worldwide localities. but early on he was fascinated by micromounts. That led to his acquisition of an expensive Olympus microscope with a fluorite lens. Looking through his scope was like entering another world. John's idea of a micromount was any specimen that was better appreciated under magnification, though he later came to favor specimens with at least 6 cm of matrix. The localities John collected at were perfect for micros and soon John was involved with the Pacific Northwest Micro Mineral Study Group and the California micromounters where he met Bob Housely and Joe Marty.

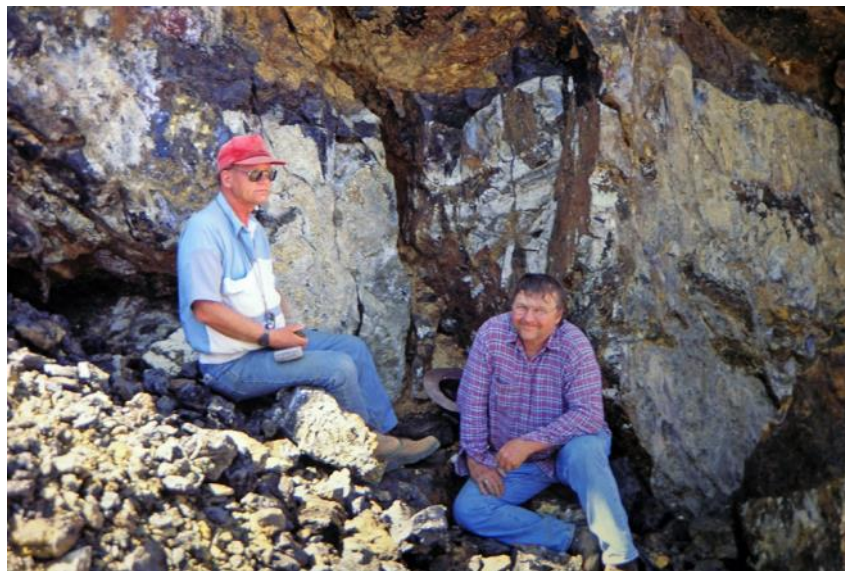
*Figure 5 The Micromen, from left to right is Wes Gannaway, John Dagenais, Al Wilkins, Jerry Baird, Tim Rose, Bob Housely, and Joe Marty. Jerry, Bob, and Joe all helped with John's research projects on micros. All of the above except Wes had minerals named after them. Wes Gannaway Photograph*



When the first of John's Black Pine unknowns was recognized as a new species, it was suggested that it might be named Dagenaisite, but the young mineralogist who was doing the work felt that minerals should only be named after individuals who had made significant contributions to mineralogy as the naming was a significant honour. John was deflated as he had sacrificed his only specimen of what became Joëlbruggerite for the cause. It is extremely rare to find new minerals, most never do in a lifetime. John was such a good mineralogist, he found two more, Auriacusite



and Chromschiefelinite. Soon Joe Marty found a new mineral at the Gold Chain Mine in Utah, where John had collected. Joe submitted it to Tony Kampf at the LA County Museum in Los Angeles. They decided to name the new phase after John for his contributions to mineralogy, especially in the Tintic District, Utah where the Dagenaisite was found. Amusingly the young mineralogist who had deflated John was a co-author of the publication of Dagenaisite. John had become a significant contributor to mineralogy.



*Figure 6 Wes Gannaway, on the right, and John Dagenais relax in the shade provided by a heavily mineralized column that dominates one side of the Middle Pit after a hard, hot day of collecting at Gold Hill. Robert Meyer photograph, August 30, 1998.*

John was always kind, helpful, and very generous. John would always donate something very good and interesting at the Saturday night auction during the Pacific Northwest Friends of Mineralogy annual symposium. He was also a Mindat fellow and a strong supporter. He will be sorely missed.

John was predeceased by his sister Anitta and survived by his wife Maxine and sisters Diane, Linda, and Heather.



*Figure 7 Tribute to John in May 2022 at the British Columbia Rock and Gem Show in Chilliwack, British Columbia. Al Homenuke photograph*



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**2022**

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Show Chairman: Danielle Foss[kmgshow@gmail.com](mailto:kmgshow@gmail.com)[www.kmgrockclub.com](http://www.kmgrockclub.com)**SYMPOSIUM & FIELD TRIP****Friends of Mineralogy - PA Chapter November 12-13, 2022 Lancaster, PA**

Attend ONLINE -OR- IN PERSON at Bright Side Opportunities Center, 515 Hershey Ave., Lancaster PA 17603

Symposium for mineral enthusiasts on **Saturday Nov. 12** Doors open 8:30 a.m.; Symposium 9:00 - 4:15

Sales by Select Dealers - Silent Auction - Give-away Table - Meet Fellow Collectors

Talks by knowledgeable speakers on **Pennsylvania Mineralogy and Geology**, and more:

<b>William Kochanov, PG</b>	<b>Stephen R. Lindberg</b>	<b>Ronald A. Sloto, PG</b>	<b>Bill Stephens, PG</b>	<b>and...</b>
Pa. Geol. Survey, Retired Reconnaissance of mineral collecting sites in Southeastern Pennsylvania	U. Pittsburgh at Johnstown Geology of the New Paris Limestone Quarry, Napier Township, Bedford County, Pennsylvania	West Chester Univ. Classic Mineral Localities of Bucks County, Pennsylvania	Stephens Environmental Report on Re-opening the Mount Pleasant Mills, Snyder County, Pennsylvania, Wavellite Occurrence	One more great talk to be announced

Registration form on website. Register online or by mail (or on-site, cash/check only).

Current members \$ 15.00/person Non-members \$ 25.00 College Students free

Professional Geologists: Five Professional Development Hour credits available for full lecture attendance

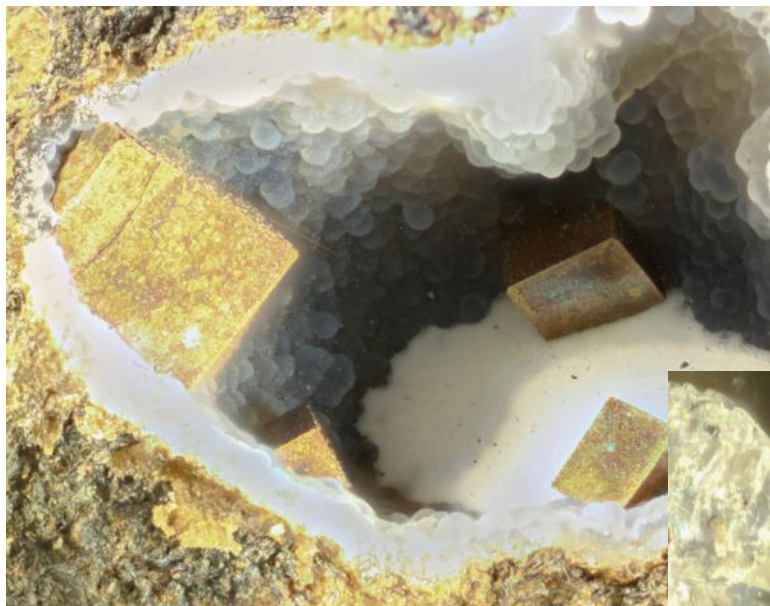
**Field Trip on Sunday Nov. 13** Mount Pleasant Mills, PA. Open only to symposium registrants. Register now!Visit our web site for details, registration form, changes and updates: **[www.rasloto.com/FM](http://www.rasloto.com/FM)**



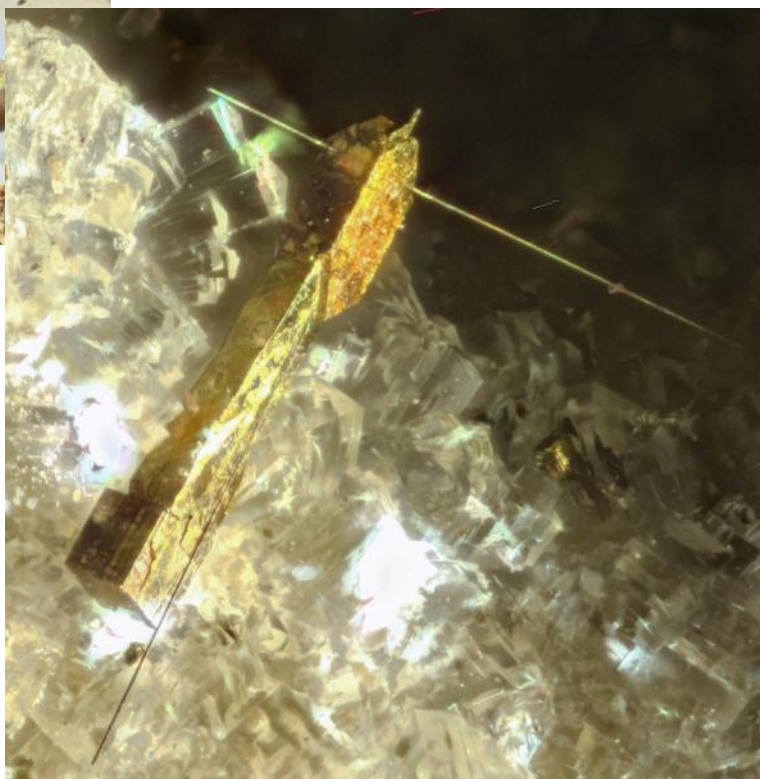
# Pyrite from Clackamas County, Oregon

By Beth Heesacker

I did not receive any mineral articles for this issue so you will just have to make do with some eye candy pyrite from the Clackamas River area. Some interesting shapes and coatings.



Pyrite. Clackamas River, Oregon. FOV 4mm. Beth Heesacker specimen, ex Mickey Marks collection. Photo copyright by Beth Heesacker

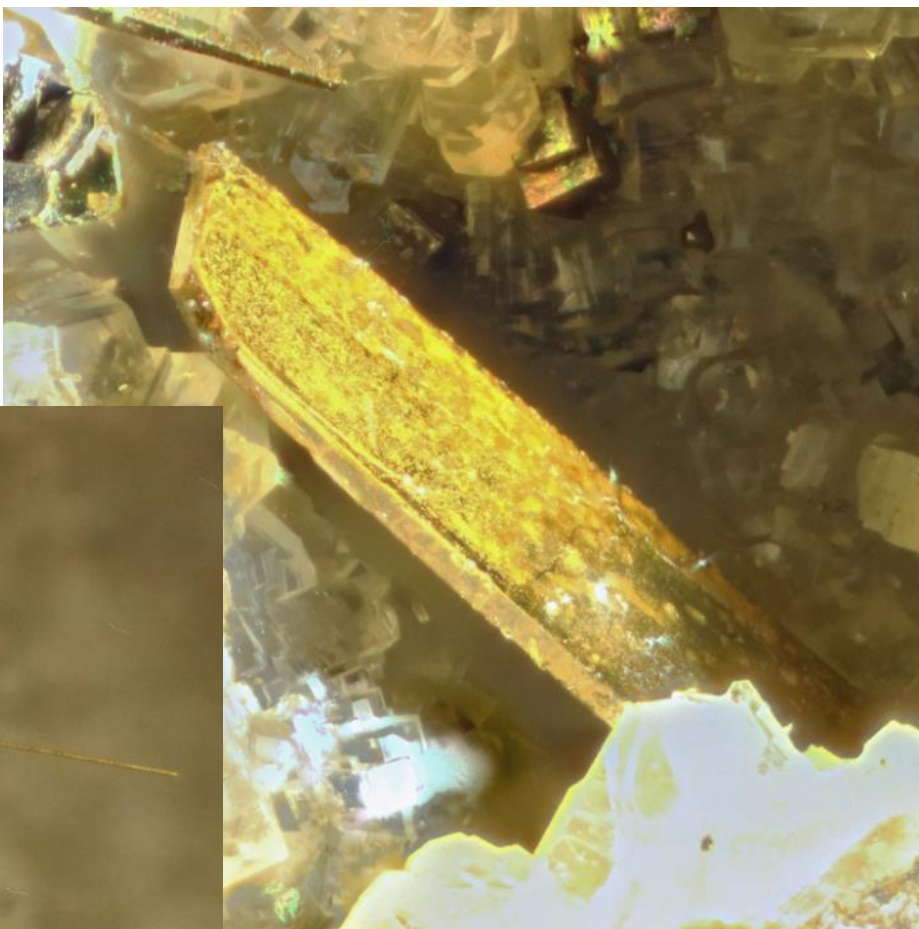


Pyrite. Clackamas River, Oregon. FOV 3mm. Beth Heesacker specimen, ex Mickey Marks collection. Photo copyright by Beth Heesacker



Pyrite. Clackamas River, Oregon. FOV 2mm. Beth Heesacker specimen, ex Mickey Marks collection. Photo copyright by Beth Heesacker

Pyrite. Clackamas River, Oregon. FOV 2mm. Beth Heesacker specimen, ex Mickey Marks collection. Photo copyright by Beth Heesacker



Pyrite. Clackamas River, Oregon. FOV 2.5mm. Beth Heesacker specimen, ex Mickey Marks collection. Photo copyright by Beth Heesacker



Pyrite covered with opal balls. Clackamas River, Oregon. FOV 4.5mm. Beth Heesacker specimen, ex Mickey Marks collection. Photo copyright by Beth Heesacker





Filiform some with opal balls. Clackamas River, Oregon. FOV 3mm. Beth Heesacker specimen, ex Mickey Marks collection. Photo copyright by Beth Heesacker



Pyrite. Clackamas River, Oregon. FOV 3mm. Beth Heesacker specimen, ex Mickey Marks collection. Photo copyright by Beth Heesacker

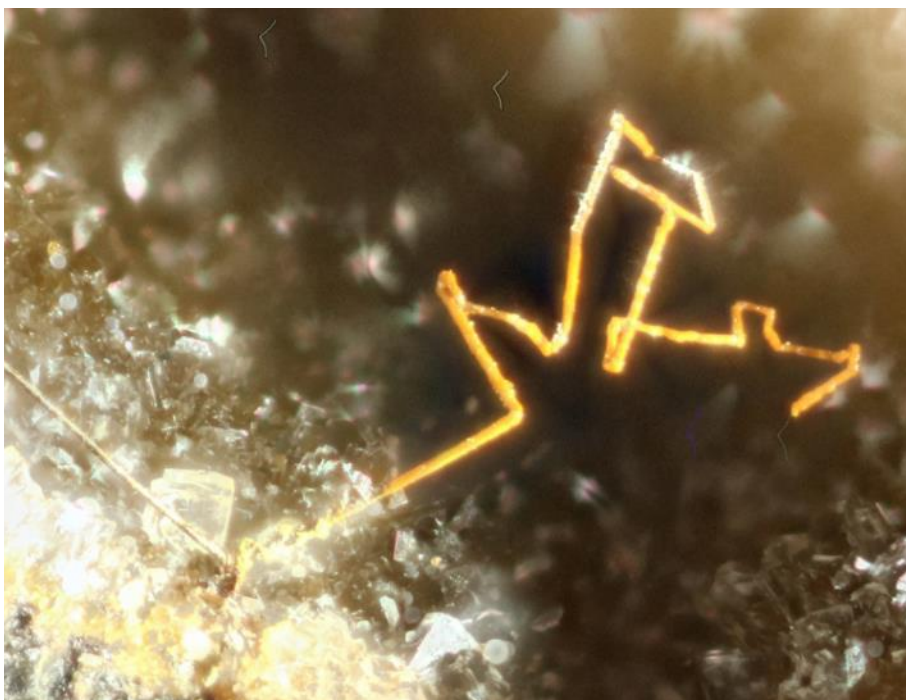


Pyrite, some covered with opal balls. Clackamas River, Oregon. FOV 5mm. Beth Heesacker specimen, ex Mickey



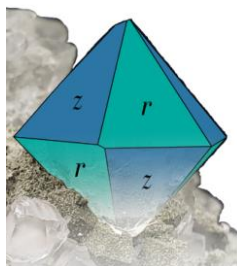
Pyrite covered with opal balls. Clackamas River, Oregon. FOV 2.5mm. Beth Heesacker specimen, ex Mickey Marks collection. Photo copyright by Beth Heesacker

Pyrite. Clackamas River, Oregon. FOV 3mm. Beth Heesacker specimen, ex Mickey Marks collection. Photo copyright by Beth Heesacker





Register at [PNWFM.ORG](http://PNWFM.ORG)



# See you at the Symposium !! October 14-16

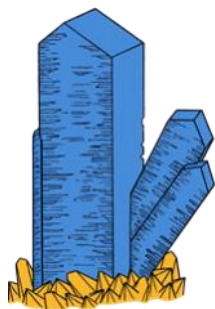
## Editor's Plea



I need articles!

Please email articles and  
photos to  
[heesacker@coho.net](mailto:heesacker@coho.net)

The next deadline will be December 7, 2022




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## PACIFIC NORTHWEST CHAPTER FRIENDS OF MINERALOGY

www.PNWFM.org

Editor, Beth Heesacker

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### MINERAL MEETING CALENDAR

#### 2022:

**PNWFM Symposium - Oct 14-16**  
**Red Lion Hotel, Kelso, WA**

**NW Micro Mineral Study Group - November 12, 9-4**  
**Sons of Norway Columbia Lodge**  
**2400 Grant St,**  
**Vancouver, WA 98660**

#### 2023:

**Pacific Micromineral Conference (MSSC) - TBD**

**NW Micro Mineral Study Group - TBD**

**Seattle Mineral Market - May 20-21**  
**SATURDAY 10:00AM-6:00PM**  
**SUNDAY 11:00AM-5:00PM**  
**The Hangar 30 building at Magnuson Park**  
**7400 Sand Point Way NE, Seattle, WA 98115 (note new address)**  
**Seattle, WA**

**NCMA - May 19-21**  
**Eldorado Community Hall**  
**6139 Pleasant Valley Rd.**  
**Eldorado, CA**

**NW Micro Mineral Study Group - November, TBD**

**Stay Safe and Healthy!**