



PNWFM

President's Message

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Greetings, mineral lovers!

It is almost symposium time again and everything is rapidly coming together. If you have not yet registered, now is the time! Remember that the symposium registration price increases on October 1. While you're at it, make sure you get a hotel reservation at the Red Lion. Our special price offer has expired, but I've found good deals on Expedia.

You can register on-line at <http://squareup.com/store/pnwfm>

I hope to see you all there!

Symposium – October 19-21, 2018

“Minerals of California”

We have a great lineup of symposium speakers to make this a memorable symposium:

Dan Evanich was born in Springfield, Illinois and grew up in Farmington, New Mexico during the early 1960's. Since the mid-60's, he has lived in San Jose, California. He has a Bachelor of Arts degree in Business Administration and, after more than 35 years in the consumer electronics industry, is now retired. He has been an avid field collector for the past 20 years, mostly in California, Nevada, Arizona and Utah. He is active in a number of organizations including the Bay Area Mineralogists, NCMA, MSSC, PNWFM and Crystal Gazers of San Francisco. His main collecting focus is the Western US, principally Butte, Montana and Tiger, Arizona.

Dan's talks will be *Reward Mine* and *Champion Mine*.

Rick Kennedy has been a mineral collector since he was eight years old, growing up in Ohio and then in the Bay Area of California. He has a BS in Earth Sciences from the University of California, Santa Cruz, and for years he specialized in minerals from San Benito County. Recently, he has become one of the partners at the Jackson's Crossroads Amethyst Mine in Georgia, Hallelujah Junction in Nevada, and the California Blue Mine in Southern California. He owns Earth's Treasures, a company that sells mineral specimens and rare faceted gemstones. He is currently a member of the Crystal Gazers, Bay Area Mineralogists, the Fluorescent Mineral Society, and the Santa Clara Valley Gem and Mineral Society.

Rick will give two talks: *Benitoite* and *Petersen Mountain*

John Magnasco started collecting minerals as a teen at the New Almaden Mines near his hometown of San Jose. Not wanting to ruin a perfectly good hobby by becoming a geologist, he earned a BS in Industrial and Systems Engineering

(cont. on page 2)



PNWFM Contacts

Bruce Kelley
President
bruce.kelley@gmail.com

Gary Hinderman
Vice President
gkmhind@comcast.net

Karen Hinderman
Secretary
gkmhind@comcast.net

Scott Ankenbrand
Treasurer
scottankenbrand@gmail.com

Bruce Kelley
Symposium Chairman
bruce.kelley@gmail.com

Bruce Kelley
Webmaster
bruce.kelley@gmail.com

Beth Heesacker
Newsletter Editor
heesacker@coho.net

and became a self-taught mineralogist. He enjoys his work in the consumer electronics and medical device industry and is currently a VP at Verb Surgical, a robotically-assisted surgical company. During the 1990's, John helped identify and publish articles on numerous mercury minerals from the Clear Creek Claim. His collection focuses on minerals from Japan, Korea, China and California, with sub-collections of Scheelite and rare, well-crystallized mineral species.

John will give two talks on *Obscure but important California localities*.

Scott Werschky earned his graduate degree from the University of Colorado, after which he worked as an exploration geologist for 16 years, prospecting for gold at sites from northern Alaska to southern Chile. He began collecting minerals during the mid-1990's and soon after founded Miner's Lunchbox, a company specializing in investment quality mineral specimens. His home base is Reno, close to the gold producing regions of California and Nevada. This, combined with his previous industry experience, has prompted him to focus on gold specimens in his business, making him one of the world's leading dealers in specimen gold.

Scott will make sure we don't forget *California gold!*

And, for our Friday night program,

Leslie Moclock, Curator of the Rice Northwest Museum of Rocks and Minerals, is headlining the Friday evening program for people new to minerals: *"Getting Started with Rocks and Minerals."*

Contests

We WILL have a Self-Collected contest this year, so be thinking of what specimens you might want to enter in these categories:

- Self-collected California macro specimen

- Self-collected California micro specimen

- Self-collected in the past year, any locality, macro specimen

- Self-collected in the past year, any locality, micro specimen

Displays

We have a number of display cases spoken for this year, but I think there are a few still waiting to display your specimens. Contact Bob Meyer at pyrite111@hotmail.com if you are interested in bringing a display. PNWFM does have a selection of liners if you don't want to make your own. Displays do not have to be on theme!

Election

We are actually overdue for elections, which were supposed to be held last year. You will find a proposed slate of officers in this edition of the newsletter. Be sure to read it and if you won't be at the October 21 meeting, email your vote (potentially with write-ins if you don't agree with the slate) to our Secretary, Karen Hinderman: gkmhind@comcast.net.

Member Participation: So many ways to get involved!

Write an article or send in a few photos for the newsletter. Went to Tucson? 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, Chuck Hobart, Al Liebetrau, Bob Meyer, Don Newsome, Lanny Ream, Alexander Schauss, and myself for providing newsletter content so far this year.

Plan to attend our 2018 symposium:

October 19-21, 2018 *Minerals of California*

Enter the symposium self-collected contests!

Share your collection by bringing a display to the symposium.

Plan to attend our 2019 symposium:

October 18-20, 2019

Plan to attend our 2020 symposium:

October 16-18, 2020

(cont. on page 3)

“Like” our official Facebook page: facebook.com/PNWFM

Send in photos for the web site: We welcome photos of minerals from the Pacific Northwest, collecting activities, shows, PNWFM members, etc. The web site background image rotates through these photos and they are getting a little stale. Let’s shake it up with more content! Send photos with description to Bruce Kelley, bruce.kelley@gmail.com

Visit the Rice NW Museum of Rocks and Minerals in Hillsboro, OR. PNWFM members get free admission and store discounts. ricenorthwestmuseum.org

Send me ideas for how PNWFM can better serve you and the mineral collecting community.

As this is my last newsletter as President, I will not say “until next time”, but I’m still around, so stop me and say hello!

-- Bruce Kelley, President, PNWFM

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## Candidates for Office

### Pacific Northwest Friends of Mineralogy 2018

President - Toby Seim

Vice President - Gary Hinderman

Secretary – Karen Hinderman

Treasurer – Bruce Kelley

Write in candidates welcome at all positions.

Please cast your vote by email to PNWFM Secretary, Karen Hinderman at [gkm-hind@comcast.net](mailto:gkm-hind@comcast.net) or in person with Karen at the PNWFM Symposium before the scheduled business meeting.

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Plumbotsumite from Site 2C, Blue Bell Mine,
Silver Lake Dist., San Bernardino Co., CA

FOV: 2.08 mm. Stacking: 92 frames at 5 μ m
Copyright © 2018, Bruce J Kelley

Friends of Mineralogy *Minerals of California*

October 19-21 2018 Kelso, Washington

Featuring Talks by:

Dan Evanich
Rick Kennedy
John Magnasco
Scott Werschky

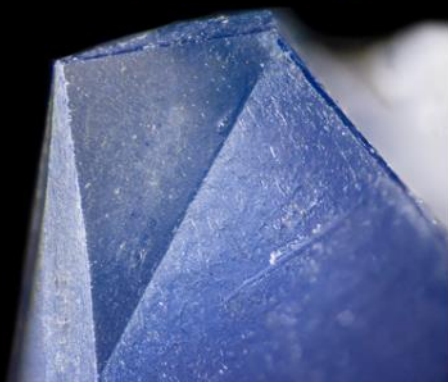
Main Floor Dealers:

Earth's Treasures, Lehigh Minerals,
Pacific Rim Gem & Mineral, & XTAL

And More:

World-class displays
Auctions
Dozens of room dealers
Banquet
Conests

www.pnwfm.org



Friday night events are
FREE to the public!

Friday Night Public Events:

Leslie Moclock, Curator at
Rice Museum of Rocks & Minerals

and PNWFM members will give
short talks and demonstrations of
interest to new mineral lovers.

Learn about Minerals, Collecting
and Friends of Mineralogy.

**We need
more
Displays !**

The web site for registration
is:

<https://squareup.com/store/pnwfm>

CALL FOR DISPLAYS

**Minerals of California
October 19-21, 2018
PNWFM Symposium
Kelso, Washington
Red Lion Hotel**

This is a perfect year for symposium attendees to dust off those classic minerals or show off new finds. If you can put together a case, particularly of Californian minerals, you must this year. This is your chance to contribute and let other attendees see some of your collection. Please contact Display Chair Bob Meyer at pyrite111@hotmail.com to reserve a space.



Mimetite from Site 2C, Blue Bell Mine, Silver Lake Dist., San Bernardino Co., CA

FOV: 0.73 mm, Stacking: 119 frames at 5 μ m

Copyright © 2018, Bruce J Kelley

Wulfenite on Quartz from Bird Nest Drift, Otto Mtn, San Bernardino Co., CA

FOV: 1.47 mm, Stacking: 117 frames at 5 μ m

Copyright © 2018, Bruce J Kelley



FRIENDS OF MINERALOGY 2018 SHOW & SYMPOSIUM

October 19—21, 2018

ATTENTION SATELLITE DEALERS

INSTRUCTIONS FOR SATELLITE DEALERS

The 2018 Friends of Mineralogy Symposium and Show will again be held at the Red Lion Inn in Kelso, Washington. Kelso is located on I-5, a 45-minute drive north of Portland, Oregon. The Red Lion Inn is immediately east of and adjacent to I-5 at Exit 39.*

To become a Satellite Dealer, you must (i) reserve a room at the Red Lion inn, (ii) register for the Symposium, (iii) pay a dealer fee of \$25.00, and (iv) provide a mineral specimen for the FM Saturday night auction.

To register for the Symposium and pay the required satellite dealer fee (\$25), go to the Pacific Northwest Chapter website (www.pnwfm.org), where you will find registration instructions prominently displayed. Click on the link

<https://squareup.com/store/pnwfm>

and select either (i) the satellite dealer option or (ii) the Pine Room option.**

The deadline for registration is September 30. After that date, we cannot guarantee a sign for your door or a listing in the posted directory of satellite dealers. We will collect your specimen for the auction on Friday night or Saturday morning. Your donation is important because we depend on the auction to keep the symposium in the black. **For donation purposes, two or more dealers sharing a room will be considered as separate dealers.**

Make your room reservation at the Red Lion Inn (360-636-4400) NOW because we expect all rooms to be filled. Be sure to tell the reservations clerk that you are with **Friends of Mineralogy** and **that** you want to be placed in the **DEALER SECTION (North Wing rooms 168 to 191)**. All the rooms are generally the same. Each has two queen-sized beds, a refrigerator, several useful flat tables, and benches at the end of the beds for displaying minerals. The Red Lion Inn will not guarantee a specific room at registration, but be sure to state your preference and staff will honor your request at check-in if the room is available. Please tell me the number of the room you have requested when you register and, please, do not ask to change room assignments until you check in. **I will get your actual room number from the Red Lion Inn staff on Friday afternoon before I put up room signs and prepare the final satellite dealer directory.** Check-in time is 3:00 pm and while it may be possible to check in early if your room is ready, do not count on it. I will plan to arrive early on Friday afternoon, October 19, to provide assistance as necessary.

After you have completed all of the registration steps, please return the attached **Satellite Dealer Registration Form** (below) to Al Liebetrau, Dealer Liaison, either (i) by email at liebetrauam@msn.com or (ii) by post at

11822 SW Lodi Ct

Powell Butte OR 97753-1530

Except during Symposium presentations, satellite dealers are expected to be open on Friday from the completion of setup until 9:00 pm, on Saturday from 8:00 am to 9:00 pm. and on Sunday from 8:00 am until the show closes at 11:30 am. Set up promptly on Friday, and keep your doors open for business

and socializing. Friday and Saturday nights are the best times for selling. We all like to make money, but keep in mind that the most important thing about the Symposium is to **have a good time!**

The theme for this year's Symposium is **Minerals of California**. When I receive your registration form, I will confirm by sending you the Symposium program schedule and speaker list plus a flyer that you can use for publicity (these are also available at www.pnwfm.org).

The format and layout for the Symposium and Show will be like that in previous years, with talks and dealer spaces in the same rooms as last year. A large room (the Show Room) that houses the floor dealers, displays, and registration table will be open to the public free of charge. This year's floor dealers are Lehigh Minerals (Jim & Yolanda McEwen), Pacific Rim Minerals (John Meek), Earth's Treasures (Rick Kennedy), and XTAL (Dennis Beals). All are returning from last year.

SUMMARY: To become a Satellite Dealer, must reserve a room in the Dealer Section (North wing, first floor) at the Red Lion, register for the Symposium, pay your satellite dealer fee (\$25) and provide a specimen for the Saturday night auction. Finally, you must send your completed Satellite Dealer Registration Form (below) to **Albert Liebetrau, 11822 SW Lodi Court, Powell Butte, OR, 97753. The deadline for registration is September 30**

For information or help, call me at 541.504.4751 (home) or 503.201.0778 (cell), or contact me by e-mail at liebetrauam@msn.com.

See you at the symposium!

Al Liebetrau, Dealer Liaison

2018 Friends of Mineralogy Symposium

*To reach the Red Lion, take Exit 39 off of I-5, go east (right if coming from Portland) to the first stop light and turn south (right) on to Kelso Drive. Follow Kelso Drive a few hundred yards to the Red Lion Inn. The Inn is very easy to spot from the freeway.

**The Pine Room has proved to be a popular alternative to setting up in your own room. This room is conveniently located at the end of the satellite dealer hallway opposite the doorway to the main Show Floor. Until the room is filled, tables will be available at a cost of \$25 each. In case table requests exceed the capacity of the Pine Room, assignments will be made on the basis of seniority.

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Plumbophyllite from Site 2C, Blue Bell Mine, Silver Lake Dist., San Bernardino Co., CA

FOV: 0.93 mm, Stacking: 89 frames at 5 µm

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## 2018 SATELLITE DEALER REGISTRATION FORM

Complete this satellite dealer registration form and return it to  
Al Liebetrau after you have made room reservations at the Red Lion Inn.

**Yes**, I do want to be a dealer in the Satellite section of the Friends of Mineralogy Show and Symposium on Oct. 19—21 at the Red Lion Inn in Kelso, Washington

Sharing a room (Yes or No)? \_\_\_\_\_ Name of Partner: \_\_\_\_\_

I have already made reservations at the Red Lion Inn (Yes or No): \_\_\_\_\_

I have requested a room number (Yes or No): \_\_\_\_\_ It is \_\_\_\_\_

Name: \_\_\_\_\_

Business Name (if any): \_\_\_\_\_

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Telephone number: (\_\_\_\_\_) \_\_\_\_\_ --- \_\_\_\_\_

e-mail address: \_\_\_\_\_

List briefly some information for the wall poster. Describe what you have to sell (e.g., Northwest minerals, worldwide minerals, minerals from a particular locality, zeolites, books, or a special sale). Be specific.

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Additional requests (All rooms are the same size and have similar furniture):

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The chapter has set up a system for the electronic payment of registration fees. To register for the Symposium and pay the required satellite dealer fee (\$25), go to the Pacific Northwest Chapter website ([www.pnwfm.org](http://www.pnwfm.org)), where you will find registration instructions prominently displayed. Click on the link

<https://squareup.com/store/pnwfm>

and select either (i) the satellite dealer option or (ii) the Pine Room option (see Instructions). Please return this form to Al Liebetrau, Dealer Liaison, either (i) by email at [liebetrauam@msn.com](mailto:liebetrauam@msn.com) or (ii) by post at

11822 SW Lodi Ct

Powell Butte OR 97753-1530

**The deadline for registration is September 30.** After that date, we cannot guarantee a sign for your door or a listing in the directory of satellite dealers. If you have **questions or problems, please contact Al Liebetrau by phone at 541-504-4751 (home), 541-788-6214 (cell), or e-mail at [liebetrauam@msn.com](mailto:liebetrauam@msn.com)** .



## Minerals of California

### Photos by Bruce Kelly



Joaquinite with Benitoite from Dallas Gem Mine,  
New Idria District, San Benito Co., CA

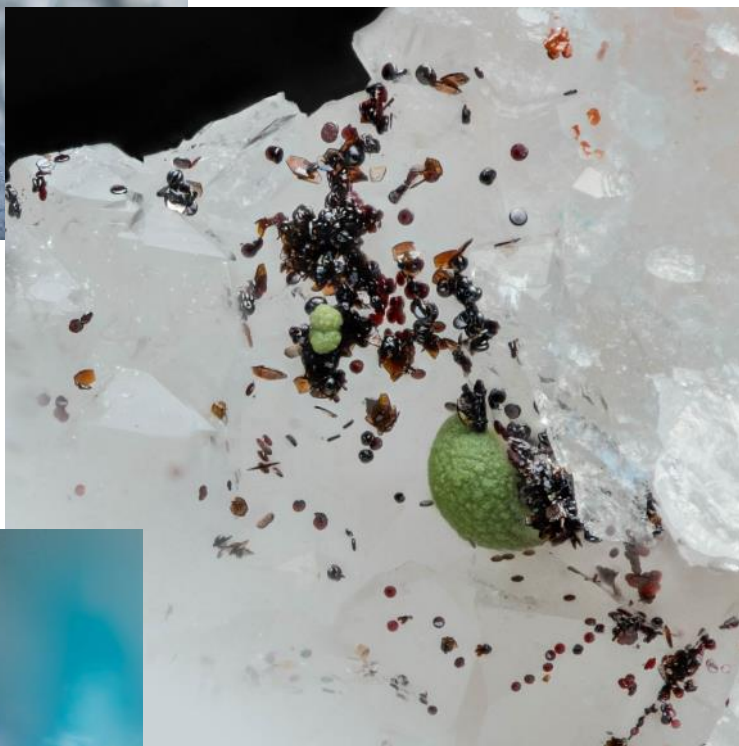
FOV: 2.15 mm

Copyright © 2018, Bruce J Kelley

Timroseite & Goethite from Bird Nest drift, Otto  
Mtn., Baker, San Bernardino Co., CA

FOV: 1.14 mm

Copyright © 2018, Bruce J Kelley



Caledonite, Linarite and Brochantite from  
Adit 2A, Blue Bell Mine, Silver Lake Dist.,  
San Bernardino Co., CA

FOV: 2.00 mm

Copyright © 2018, Bruce J Kelley

## Fall Colors

Photo Essay by Bob Meyer

We transited to Fall a few days ago, and Fall always brings with it visions of the characteristic colors of this season. We can see the reds, oranges, yellows, and browns of leaves, as they turn color and fall. With it, on nice crisp fall days, we experience the joy of piercing blue skies and reflections in lake and sea.

Minerals occur in a stunning range of colors. One of the most appealing aspects of mineral collecting is an exposure to bright colors that we can visit on the dreariest of days. The colors that minerals occur in range the entire spectrum.

The following selection of photos are intended to demonstrate how the mineral kingdom can represent the colors of a season.



Legrandite:  $\text{Zn}_2(\text{AsO}_4)(\text{OH}) \cdot \text{H}_2\text{O}$ , Ojuela Mine, Mapimí, Mun. de Mapimí, Durango, Mexico.  
Golden-yellow monoclinic crystals. FOV 5.2 mm. The specimen dates back to the late 1970's.

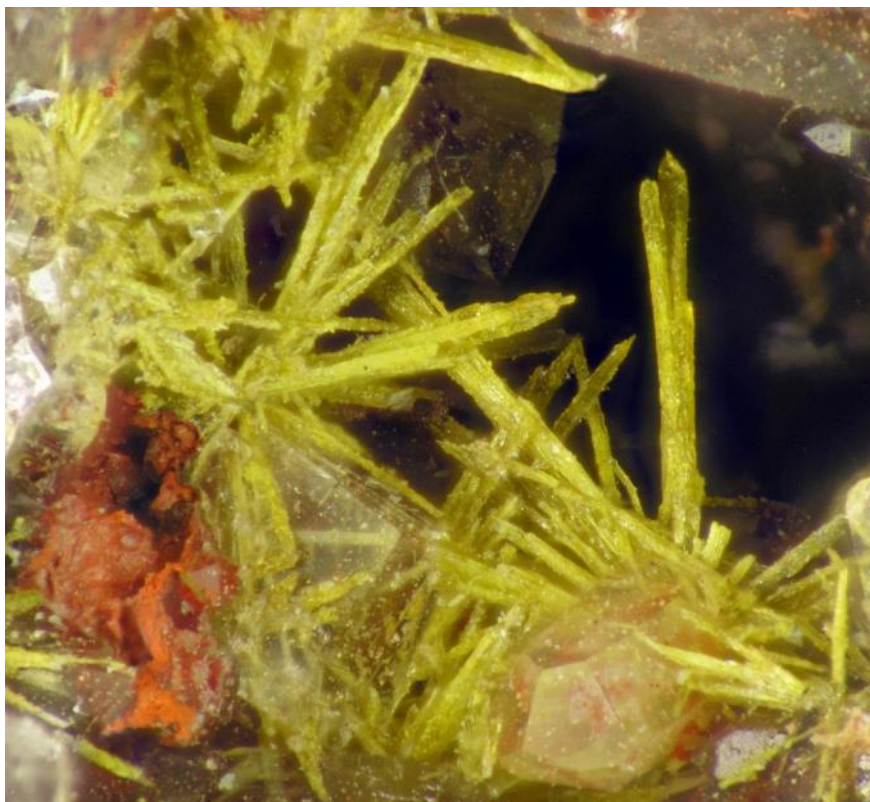




Linarite:  $\text{PbCu}(\text{SO}_4)(\text{OH})_2$ , Eaglebrook Mine,  
Nant-y-Moch Reservoir area, Talybont, Ceulanymaesmawr, Ceredigion, Wales, UK.  
FOV 3.2 mm. Bright blue crystal rosette with ochre limonite.



Francevillite:  $\text{Ba}(\text{UO}_2)_2(\text{VO}_4)_2 \cdot 5\text{H}_2\text{O}$ ,  
Mounana Mine, Franceville, Haut-Ogooué Province, Gabon.  
FOV 4.3 mm. Bright orange crystals with scaly yellow Curienite, and an unidentified brown mineral.



Macquartite:  $\text{Cu}_2\text{Pb}_7(\text{CrO}_4)_4(\text{SiO}_4)_2(\text{OH})_2$ , Mammoth-Saint Anthony Mine, Tiger, Pinal Co., Arizona, USA. FOV 2.4 mm. Yellow-tan elongated crystals.



Realgar:  $\text{As}_4\text{S}_4$ , Royal Reward Mine, King Co., Washington, USA.  
A bright red 3 mm crystal on rock..





## THE MINERALOGICAL RECORD

Wendell E. Wilson, PhD  
Publisher & Editor-in-Chief  
4631 Paseo Tubutama, Tucson AZ 85750  
Tel: 520-577-9006 e-mail: [minrecord@comcast.net](mailto:minrecord@comcast.net)

August 22, 2018

TO ALL NORTHWESTERN U.S. and CANADIAN MINERAL COLLECTORS

We hope you have enjoyed our previous supplements featuring mineral collections in **Arizona, California, Colorado, Delaware, San Francisco, Texas, Austria, Italy, the American Midwest and the American Northeast**. Now, it's the Northwest's turn! We are happy to announce that the

### Mineral Collections in the Pacific Northwest

supplement is now being planned, and **you are invited to participate!** This is your chance to show your favorite specimens to the readers of the *Mineralogical Record*, and join with your fellow collectors in the Northwest collecting community to make this project a success.

Like the other recent supplements, it will include museum collections as well as private collections, so if you wish to sponsor some pages for your favorite Northwest mineral museum, you may do so.

Remember that personal collections need not all look alike. Readers want to see what each individual collector likes about the mineral world.

**The deadline for submitting all materials will be May 1, 2019.** Now is the time to let us know that you would like to participate. A fact sheet is attached. **Please send me an email now**, telling me you would like to participate, and roughly how many pages you think you might like us to reserve for you (you can change the number later if you choose; this will just help us get a rough idea).

**[minrecord@comcast.net](mailto:minrecord@comcast.net)**.

My thanks to Allan Young and Don Newsome, who have been helping to organize the supplement and have already contacted some of you. I look forward to working with you all to make this a great supplement. Our goal is for you to be 100% happy with your chapter in this historic publication documenting mineral collections in the Northwestern part of North America.

With best regards,

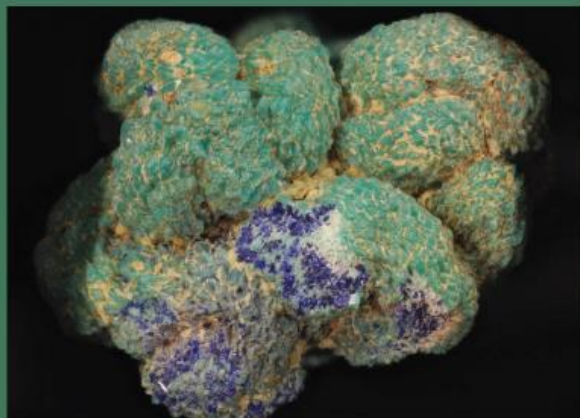
Dr. Wendell E. Wilson, Publisher & Editor-in-Chief

[Editor's note: Please also contact Don Newsome, 16605 127th Ave SE, Renton, WA 98058

Email: [info@uvsystems.com](mailto:info@uvsystems.com) who is the local coordinator.]



## SAVE THE DATE!



### 4TH ANNUAL MINING AND MINERAL SYMPOSIUM

OCTOBER  
10-13, 2018

BUTTE, MONTANA

FOR MORE INFORMATION, SEE OUR WEBSITE:  
[WWW.MBMG.MTECH.EDU](http://WWW.MBMG.MTECH.EDU)

**MBMG**  
*Montana Bureau of Mines and Geology*

### TALK MINERALS IN BUTTE, MONTANA: THE RICHEST HILL ON EARTH

The 4th Annual Montana Bureau of Mines and Geology Mining and Mineral Symposium will provide a forum where professionals, students, and amateurs interested in mineralogy and economic geology can share knowledge about mineral occurrences in the northern Rocky Mountain Region. The forum includes oral presentations, poster sessions, a student poster competition, and field trips.

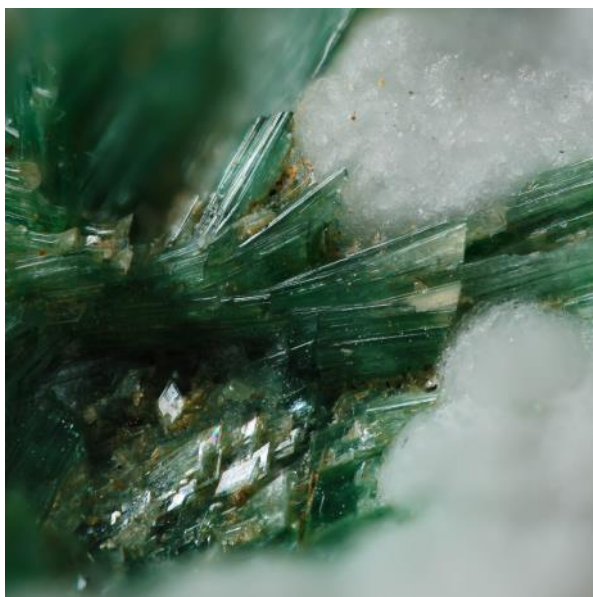
The MBMG will formally publish the Symposium Proceedings. If you are interested in submitting an abstract or paper, please contact:

Stanley Korzeb  
Economic Geologist  
406-496-4171  
[skorzeb@mtech.edu](mailto:skorzeb@mtech.edu)

Kaleb Scarberry  
Geologist  
406-496-4743  
[kscarberry@mtech.edu](mailto:kscarberry@mtech.edu)



Front photo: Chrysocolla pseudomorphs after azurite with some unaltered azurite microcrystals, Leonard mine, Copper Cliff district, Missoula County, Montana. Above: malachite microcrystals from Copperopolis. Photos courtesy of Michael Goble, Aurora, CO.



Annabergite from Georgine Mine,  
Candelaria Dist., Mineral Co., NV

FOV: 2.28 mm, Stacking: 176 frames  
at 5  $\mu$ m

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## 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)

### MINERAL MEETING CALENDAR

#### 2018:

**44th annual PNWFM Symposium, October 19-21**

*Minerals of California*

Red Lion Inn

Kelso, WA

**Micro Mineral Study Group, November 10, 9:30 am to 4:30 pm**

Camas-Washougal Fire Station #42

4321 NW Parker Street

Camas, Washington

#### 2019:

**54th Pacific Micromount Conference, January 26-28**

Fallbrook Mineral Museum

123 W. Alvarado Street, Fallbrook CA

**Micro Mineral Study Group, May 4, 9:30 am to 4:30 pm**

Camas-Washougal Fire Station #42

4321 NW Parker Street

Camas, Washington

**Seattle Mineral Market, May 18**

Place to be determined

**Northern California Mineralogical Association**

**Symposium, May 31- June 2**

El Dorado Community Hall

6139 Pleasant Valley Rd

El Dorado, CA 95623

**Washington Pass Cleanup, August**

**45th annual PNWFM Symposium, October 18-20**

Red Lion Inn

Kelso, WA

**Micro Mineral Study Group,**

**November 2, 9:30 am to 4:30 pm**

Camas-Washougal Fire Station #42

4321 NW Parker Street

Camas, Washington



## Swarf Systems

Makers of tools for mineral collectors,  
including:

- Rock splitters/trimmers in two sizes
- Microscope lights
- Photography lights 
- Spare parts of all kinds and repairs
- Custom equipment – inquire
- Affordable prices, quality products and service

On the web at:

[www.SwarfSystems.com](http://www.SwarfSystems.com)