



*to promote, support, protect and expand the collection of mineral specimens and to further the recognition of the scientific, economic and aesthetic value of minerals and collecting mineral specimens.*

# BULLETIN OF FRIENDS OF MINERALOGY

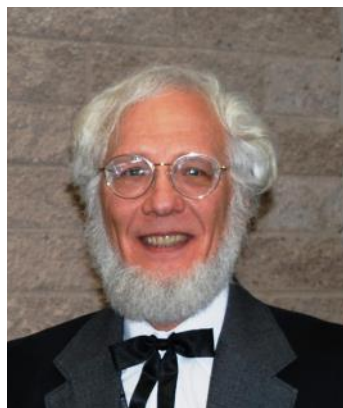
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## President's Message By Mark Jacobson

Welcome. This message will be my last as President of National Friends of Mineralogy, since I am at the end of my two-year term of office. At the 2019 February meeting in Tucson, the board with all the new at-large members will nominate and elect new officers – President, Vice-president, Secretary and Treasurer. The office of the president is term-

limited and I can not serve again.

So what have we accomplished during the last two years. The FM national website was admirably converted by Bill Besse to WordPress, redesigned and moved to a new webpage provider. I have been slowly adding scanned historic FM newsletters to the website and expanded the past and future symposium listings. The goal is to get all past newsletters from our very first newsletter in 1970 and later, as downloadable pdf documents on the website and all past FM symposia program-proceedings-abstracts scanned and available online also. For National symposia the fitting location is the national website, whereas for chapters, the chapter webpages are appropriate.

The symposia funding rules were modified so chapters can request money for their symposia if they wish. My preference is if a chapter wants funds and is willing to issue and make public a proceeding-abstract volume, I'd recommend awarding funds. We have a written document from a former IRS attorney, now a private enterprise tax attorney, that contributions to non-FM mineral symposia are perfectly legal if the symposium is aligned with our organizational goals, so our membership can advance the activities in their local area.

Other activities to celebrate are that mineral shows around the country continue, often with excellent speaker programs. FM participates sometimes with speakers who are FM members. The mineral magazines in the USA have continued to survive and publish significant articles. FM supports four of these magazines with awards- The Mineralogical Record, Rocks & Minerals, Mineral News and Mineral Monographs. FM National awards Educational Mineral Display recognition at the Denver Gem and Mineral Show and the Tucson Gem and Mineral Show.

Some board members asked, why not provide awards at other shows. That is a good idea, so if a chapter can provide the manpower to define, create, administer, document and present such awards, please made a motion to the national board, get it seconded and we can vote on it. The National FM board just has to receive such paperwork with the people to execute it to consider expanding this activity.

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## NATIONAL OFFICERS

**PRESIDENT:** Mark Jacobson; [markivanjacobson@gmail.com](mailto:markivanjacobson@gmail.com)

**VICE PRESIDENT:** Virgil Lueth; New Mexico Tech, 801 Leroy Place, Socorro NM 87801-4796; [vwlueth@nmt.edu](mailto:vwlueth@nmt.edu)

**SECRETARY:** Randy Marsh, [marsh.rg@pg.com](mailto:marsh.rg@pg.com)

**TREASURER:** Gloria Staebler, PO Box 234, Arvada, CO 80001; [gastaebler@aol.com](mailto:gastaebler@aol.com)

**WEBMASTER:** Bill Besse, [wwbesse@gmail.com](mailto:wwbesse@gmail.com)

**PUBLICITY CHAIRPERSON:** Gail Spann, [bikingail@aol.com](mailto:bikingail@aol.com)

**EDITOR:** Beth Heesacker, 4145 NW Heesacker Rd., Forest Grove, OR 97116, [heesacker@coho.net](mailto:heesacker@coho.net)

## NATIONAL BOARD OF DIRECTORS

Terms expire in February, 2019 just before the general meeting :

Bob Meyer, [pyrite111@hotmail.com](mailto:pyrite111@hotmail.com)

Virgil Lueth; [vwlueth@nmt.edu](mailto:vwlueth@nmt.edu)

Mark Jacobson; [markivanjacobson@gmail.com](mailto:markivanjacobson@gmail.com)

Linda Smith, [vanegas3@charter.net](mailto:vanegas3@charter.net)

Terms expire in February, 2020 just before the general meeting :

Allan Young, [allanyoung@msn.com](mailto:allanyoung@msn.com)

Gloria Staebler, [gastaebler@aol.com](mailto:gastaebler@aol.com)

Randy Marsh, [marsh.rg@pg.com](mailto:marsh.rg@pg.com)

William Besse, [wwbesse@gmail.com](mailto:wwbesse@gmail.com)

Terms expire in February, 2021 just before the general meeting :

Brice W. Bridenbecker; [bbridenbecker@cmccd.edu](mailto:bbridenbecker@cmccd.edu)

Alexander Schauss; [alex@aibmr.com](mailto:alex@aibmr.com)

Chris Whitney-Smith; [ask.chrisws@yahoo.com](mailto:ask.chrisws@yahoo.com)

Jolyon Ralph; [jolyon@mindat.org](mailto:jolyon@mindat.org)

## CHAPTER REPRESENTATIVES (ALSO BOARD MEMBERS)

**COLORADO CHAPTER:** Jeff Self; [selfawareminerals@gmail.com](mailto:selfawareminerals@gmail.com)

**MIDWEST CHAPTER:** Kenneth Bladh; [kbladh@wittenberg.edu](mailto:kbladh@wittenberg.edu)

**PACIFIC NORTHWEST CHAPTER:** Toby Seim; [pnwgemcollectors@gmail.com](mailto:pnwgemcollectors@gmail.com)

**PENNSYLVANIA CHAPTER:** Joe Marchesani; [Jmarch06@comcast.net](mailto:Jmarch06@comcast.net)

**SOUTHERN CALIFORNIA CHAPTER:** Dr. Don Buchanan; [dbuch7326@aol.com](mailto:dbuch7326@aol.com)

**MISSISSIPPI VALLEY CHAPTER:** Larry Nuelle; [lnuelle@gmail.com](mailto:lnuelle@gmail.com)

**NEW JERSEY CHAPTER:** David Shapiro; [Dshapiro33@gmail.com](mailto:Dshapiro33@gmail.com)

## EX-OFFICIO BOARD MEMBERS

**ROCKS & MINERALS:** Marie Huizing; [rocksandminerals@fuse.net](mailto:rocksandminerals@fuse.net)

**THE MINERALOGICAL RECORD:** Wendell Wilson; [minrecord@comcast.net](mailto:minrecord@comcast.net)

**MINERALOGICAL SOCIETY OF AMERICA:** Alex Speer; [jaspeer@minsocam.org](mailto:jaspeer@minsocam.org)

**Mindat:** Jolyon Ralph; [jolyon@mindat.org](mailto:jolyon@mindat.org)

**MINERALOGICAL ASSOCIATION OF CANADA:** Paula Piilonen; [ppiilonen@mus-nature.ca](mailto:ppiilonen@mus-nature.ca)

**MINERAL NEWS:** Tony Nikischer; [tony@excaliburmineral.com](mailto:tony@excaliburmineral.com)

Field trips are being carried out by the chapters. Each chapter faces different challenges with obtaining permissions and they are addressing their needs. People to people contacts with building relationships for mineral collecting access sometimes achieves amazing results.

I have met and worked with an increasingly greater number of people during the past two years. I would have liked to have participated in more chapter activities but I did all I could. Others have done similarly. The symposia that the chapters create are great attractions. The non-FM symposia have also increased making it a challenge to attend all of them. New specimens continue to be brought out for collectors with new mineralogical research sometimes being done on them. It has been a good two years. May the next FM President enjoy it as well.

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## BOARD OF DIRECTORS

### YOUR FRIENDS OF MINERALOGY BALLOT

#### Biographical information was in the last Bulletin of the FM

Please take time to support Friends of Mineralogy by voting. You may vote for up to four positions from the nominated candidates or by writing in candidates of your choice who would be willing to serve. Ballots should be sent to **Randy Marsh**, FM National secretary either by email at [marsh.rg@pg.com](mailto:marsh.rg@pg.com) Or by postal mail at **6152 Old Stone Court, Hamilton, Ohio 45011**.

Ballots must be received before the Board meeting to be held on the morning of Saturday, February 16, 2016.

Ballot for Friends of Mineralogy Board of Directors: Term 2019-2021 (Feb 2019 - Feb 2022)

Vote for up to **four** positions.

\_\_\_\_\_ Erin Delventhal

\_\_\_\_\_ Barb Matz

\_\_\_\_\_ Linda Smith

\_\_\_\_\_ Eric Fritz

\_\_\_\_\_ Virgil Lueth

\_\_\_\_\_ Mark Jacobson

\_\_\_\_\_ Write in \_\_\_\_\_

\_\_\_\_\_ Write in \_\_\_\_\_

## **2019 Annual Friends of Mineralogy Business Meeting and Breakfast**

**7:30 to 10:00 AM, Saturday, February 16, 2019**

**Meeting location with hotel buffet breakfast  
Country Inn & Suites by Carlson**

705 North Freeway, just north of St. Marys Road and  
west of I-10, Tucson

### **PROPOSED AGENDA ITEMS**

Welcome and Introductions of all in attendance

Verification of quorum (10)/Call to Order. Note: minutes from this meeting to be revised and approved by email prior to a date determined by the secretary.

#### **New Business:**

##### **1) Welcome new and returning directors (Mark Jacobson)**

##### **2) Introduction of attending affiliate representatives.**

Those present each get five minutes to speak on their concerns or items of interest: Rocks & Minerals, Mineralogical Record, Mineral News, Mindat, Mineralogical Society of America, Mineralogical Society of Canada, and American Geosciences Institute (AGI)

##### **3) Communications from officers (each officer gets less than 5 minutes to speak at their option)**

Topics should be either items of concern that need input from the board or other communications the board need to know.

President (Mark Jacobson)

Vice-President (Virgil Lueth): Announcement of winning displays at TGMS and of Best Article Awards. Please keep awardee's confidential until after Saturday night.

Secretary (Randy Marsh or his proxy representative).

Treasurer (Gloria Staebler): Financial report/Draft Budget

##### **5) Action items**

A) Electing new officers

B) Appointing or reconfirming Directors-at-large nominating committee for 2019-2020: Committee determines due date for communicating via email nominated new officers to be voted on by membership.

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- C) Appointing or reconfirming Symposium Funding Selection Committee for 2019/2020
- D) Discuss or agree to current meeting locations for next year's business meeting and general membership meeting. If needed agreeing to a person in charge or/and location
- E) Appointing or reconfirming the official Webmaster. Soliciting people to add content to the website.

#### 4) Committee and non-elected position reports

Directors or interested individuals to provide their topics -

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### General Membership Social and News Meeting Topics of Conversation

4:00~6:00 PM Tuesday, February 12, 2019  
Hotel Tucson City Center, lunch tent in center quad  
475 N. Granada, Tucson, AZ  
(snacks and refreshments will be available)  
This meeting is sponsored by LLD Productions  
Welcome and introductions of all present  
Call to order

#### New Business

Announcement of new/re-elected Directors by current President

#### Chapter Reports

Colorado  
Midwest  
Mississippi Valley  
New Jersey  
Pacific Northwest  
Pennsylvania  
Southern California

#### Discussion

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Quenselite.  
Photo compliments of Dakota Matrix Minerals.

## **Minerals from the Metallic Ore Deposits of the American Southwest August 3-5, 2018, Berthoud Hall, Colorado School of Mines, Golden, CO**

**Jeff Self and Donna Ware**

The Friends of Mineralogy- Colorado Chapter, Friends of the CSM Geology Museum and the Colorado School of Mines Geology Museum in August sponsored a two day symposium on the campus of the Colorado School of Mines. The symposium was a success. The event started off with a Friday evening open house at the Geology Museum. For the presentations, we had a total of 63 attendees, 48 paid attendees, and 31 at the Saturday evening banquet at the nearby Table Top Inn, Golden. After the banquet, the museum auctioned off several de-accessioned mineral specimens from the museum to attendees to benefit the museum. The presentations lasted a day and a half. Two underground mine tours (Phoenix mine, Trail Creek district; Hidee Mine, Central City district) were made available for Sunday afternoon for symposium attendees. Eleven speakers covered minerals (tellurides, uranium minerals, fluorite, smithsonite, gold, sphalerite, rhodochrosite, quartz, and calcite), mining methods, collecting stories, and mining history. Geographically, the states of Colorado, New Mexico, Utah, Arizona and Nevada were covered. The proceeding from this symposium are available digitally for free from the Friends of Mineralogy, Colorado Chapter website. Nicholas Iwanicki, from the Mining Archives library at the Colorado School of Mines video recorded all the talks which after digital reformatting will also be available for watching for free on the CSM library-Geology Museum website.

The success of the symposium is due the great efforts made by the speakers, many of whom came from out-of-state for the meeting, and the different society volunteers and CSM employees who helped organize the event.



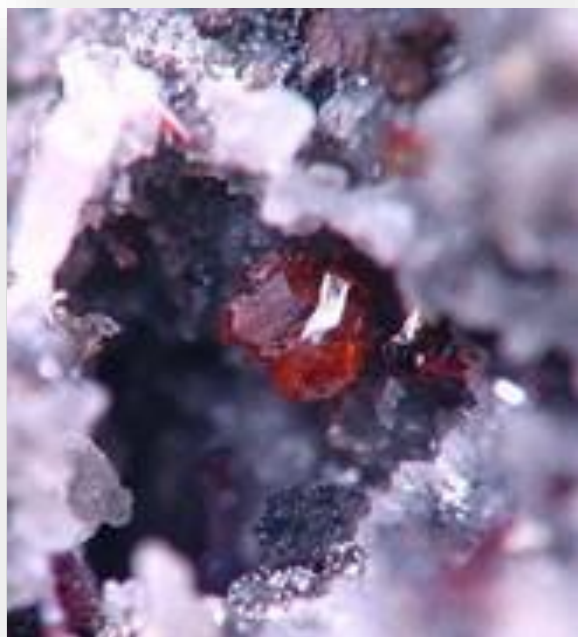
Figure 1. Nicholas Iwanicki, interim CSM Geology Museum director, and Erin Delventhal, a FMCC symposium organizer attending the Friday evening museum open house.  
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Figure 2. View of Berthoud Hall, CSM campus. Attendees listening to the presentation on Sunday, the last day of the symposium. Donna Ware and Jeff Self in front row, from the right.

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Xanthoconite.  
Photo compliments of Dakota Matrix Minerals.

## Educational Awards at the Denver Gem and Mineral Show, Denver, Colorado September 14-16, 2018

Two educational awards, for individual and institutional cases were awarded at the Denver Gem and Mineral Show. Several judges, using principles based on rules first written in 1970 and elaborated on in an as yet unpublished article prepared by Si and Ann Frazer and Albert and Sue Liebetrau, chose for the individual award the case entitled "Supergene Mineralization Processes and the Generation of Common to Rare Minerals" presented by Stanley Korzeb. Stanley Korzeb is an economic geologist employed at the Montana Bureau of Mines and Geology as well as a research professor with Montana Tech of the University of Montana, Butte, Montana. His display highlighted the oxidizing and reducing alteration that occurs in three metallic systems – Precious-base-metal veins, copper-molybdenum porphyries and telluride-base-metal veins. This alteration, as controlled by the water table, was illustrated by mineral examples from western United States and Mexico. Minerals of Mexico was the show theme.



Figure 1. The Supergene mineralization display by Stanley Korzeb. Mark Jacobson photo.

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Figure 2. Alteration minerals from copper-molybdenum porphyries in Mexico, Arizona and New Mexico. Jacobson photo.

The institutional educational award was made to the University of Wollongong, New South Wales, Australia where the curator of the Geology Collection is Dr. Penny Williamson. The case, entitled "Magnificent Mexico," documented the show theme which was Minerals of Mexico.



Figure 3. The University of Wollongong display of minerals from Magnificent Mexico. William H. Hutchinson photo.

From the FM-PA Newsletter Fall 2018

## Chalcanthite from the Ecton Mine 80-Foot Stope, Audubon, Montgomery County, Pennsylvania

Ronald A. Sloto, P.G.  
West Chester University

### INTRODUCTION

The Ecton mine is located on the Mill Grove estate in Audubon, Montgomery County. The entrance to the Ecton mine 80-foot stope (fig. 1) is east of Mine Run at 40° 07' 40" latitude and 75° 26' 35" longitude. The entrance is caved, and the 80-foot stope is no longer accessible. The 80-foot stope may not have been connected to the main Ecton mine shaft, as all walls are reported to be solid and do not reveal any passages to the shaft. The 80-foot stope was reopened, or rediscovered, by Arthur J. Boucot about 1949 (Boucot, 1949). The adit penetrates the hill for over 300 feet to a right-angle drift. The drift extends about 200 feet. In the 1950s and 1960s, brave mineral collectors entered the flooded adit and waded through cold water to collect minerals in the 80-foot stope.



Figure 1. Entrance to the Ecton mine 80-foot stope, April 11, 2018.

In the 1960s, William Shinn collected a number of specimens from inside the 80-foot stope. They were acquired from Shinn by the author for study and analysis. One specimen had minute, white crystals on part of the matrix (fig. 2). When the crystals were examined under the microscope, they appeared to be curving, acicular crystals (fig. 3). Analysis by energy dispersive X-ray spectrometer (EDS) showed the mineral to be a copper sulfate mineral with an average of 1.4 weight percent zinc. Based on the analysis and scanning electron microscope (SEM) images, the mineral is a slightly dehydrated chalcanthite. Images acquired with the SEM showed long, thin, curving crystals (fig. 4) that were often entwined (fig. 5).

Chalcanthite is a water-soluble copper sulfate. It commonly is found in late-stage oxidation zones of copper deposits as a secondary mineral and often is formed as a post-mining mineral. It is likely that the chalcanthite from the 80-foot stope was formed as a post-mining mineral. It may have even formed in William Shinn's basement! The author has examined many specimens from the 80-foot stope, including many collected by Harold Evans in the 1950s and 1960s, and this is the only chalcanthite observed.

Analysis and imaging was done on an FEI Quanta 400 environmental scanning electron microscope integrated with an Oxford AZTEC X-ray energy dispersive spectrometer at the West Chester University Center for Microanalysis and Imaging, Research and Training.

### REFERENCE

Boucot, A.J., 1949, Notes on the Ecton Mine, Montgomery County, Pennsylvania: *Rocks and Minerals*, v. 24, no. 9-10, p. 492-495.

All photographs by Ronald A. Sloto.

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Figure 2. Chalcantithite from the Ecton mine 80-foot stope, 4 cm.

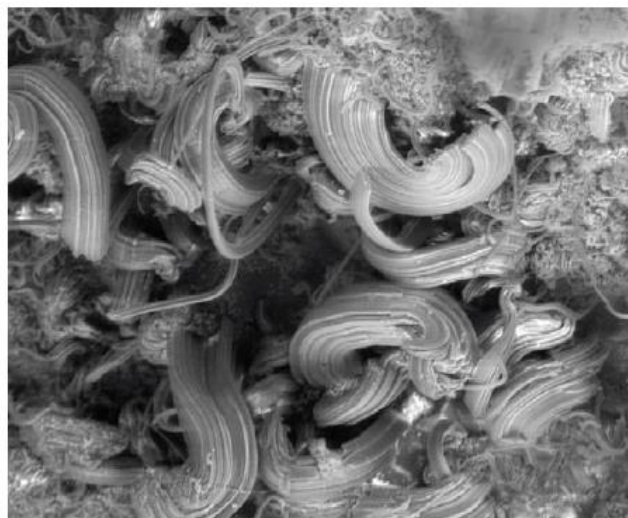


Figure 4. Scanning electron microscope image of chalcantithite from the Ecton mine 80-foot stope, magnification approximately 400X. Scale bar at bottom left is 250 μm.

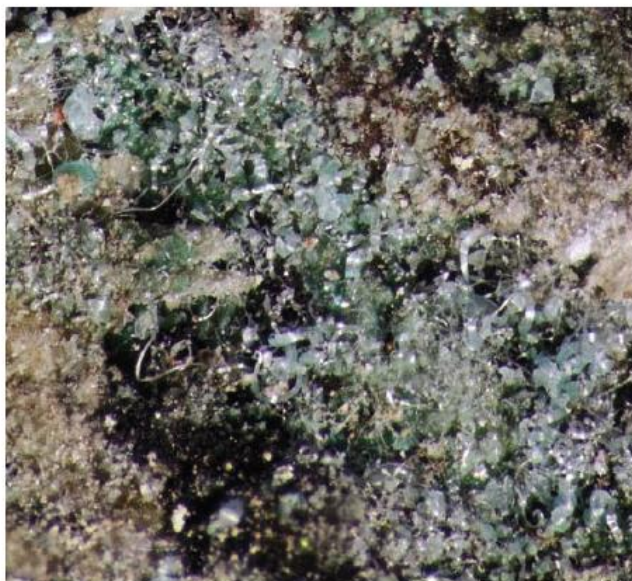


Figure 3. Photograph of chalcantithite from the Ecton mine 80-foot stope taken through the microscope.

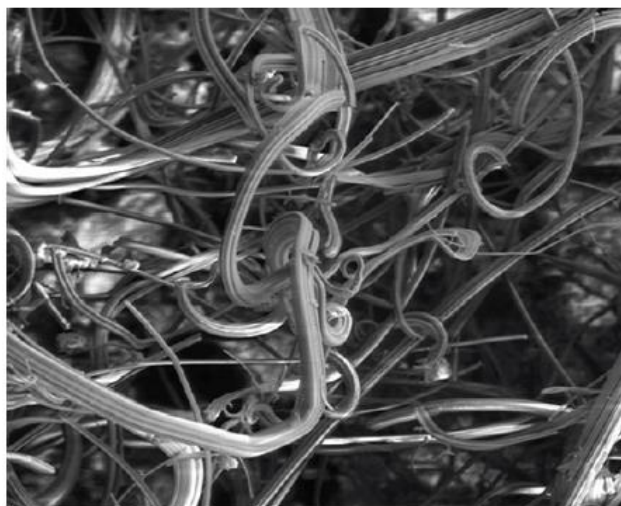


Figure 5. Scanning electron microscope image of chalcantithite from the Ecton mine 80-foot stope, magnification approximately 360X. Scale bar at bottom left is 250 μm.



*Have a very  
Merry Mineral Christmas  
and a Happy Mineral New Year*



## The 39<sup>th</sup> Annual New Mexico Mineral Symposium

By Virgil Lueth, Ph.D.

Two hundred and eighty-one mineral enthusiasts from around the world gathered for the 39<sup>th</sup> Annual New Mexico Mineral Symposium in Socorro on November 9-11, 2018. The event started with a field trip to the Chupadera Copper deposit east of Socorro. Approximately 60 people participated in the trip to the property led by Philip Simmons, owner of Enchanted Minerals. Later that evening, a reception for the "Friends of the Museum" was held at the New Mexico Bureau of Geology - Mineral Museum with an abundance of appetizers and a cash bar. The reception is sponsored by John and Maryanne Fender of Richardson, Texas, for the benefit of the museum. The "Friends" unveiled their second successful funding project which was additional lighting for the museum. After the reception, most retired to local motels to buy and sell minerals and enjoy visiting with friends, old and new.

Saturday the symposium was opened by Dr. Peter Megaw who initially spoke on "Electric Opal," fluorescent opal from Mexico. Other presentations on Saturday morning included Terry Huizing speaking on Midwestern geodes, Mark Jacobson on Indonesian mineral collecting, and Ray DeMark and others highlighting new discoveries at Copper Hill, NM. Over the lunch hour attendees roamed the museum and museum staff was present to answer questions.

The afternoon schedule started with another New Mexico-themed talk about the Lordsburg area by Robert Walstrom. Michael Michayluk shared his microphotography skills in his talk about the Organ district in southern New Mexico. Dave Stoudt took the program much farther south with a talk on the Capillitas Mine, famous for rhodochrosite, in Argentina. Peter Megaw followed up his earlier talk with the featured presentation on Santa Eulalia, the recent subject of a Mineralogical Record issue.

Following the talks, many in the group participated in the banquet and silent auction to benefit the symposium. Donated minerals, books and artifacts were offered to the highest bidders. Following the dinner, a live auction of a few larger items completed the evening. The auction raised a record amount of money this year thanks to the generosity of the participants.



A portion of the audience at the 39th Annual New Mexico Mineral Symposium as seen from the podium (speaker's eye view). Mark Jacobson photograph.

The following morning the talks resumed with the first presentation by Barbara Muntyan on the pseudomorphs and epimorphs of Arizona. Les Presmyk provided a mineral collecting history of Arizona from prehistory to 1912. "Micromineralogical in the 79" was the title of Ron Gibb's presentation on the mineralogy of that famous mine in Arizona. Virgil Lueth presented a talk on color stability in minerals that was followed by the final talk of the symposium by Nathalie and Paul Brandes titled, "Australopithecus to Mindat – Mineralogy through the ages." A silent auction to benefit the NMBGMR Mineral Museum was held concurrent with the talks Sunday morning.

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The New Mexico Mineral Symposium is hosted by the New Mexico Bureau of Geology and held annually on the second full weekend of November. Next year the 40<sup>th</sup> Annual New Mexico Mineral Symposium is scheduled for November 8-10, 2019. The symposium is sponsored by the Albuquerque Gem and Mineral Club, Chaparral Rockhounds (Roswell, NM), Los Alamos Geological Society, Grant County Rolling Stones, Friends of Mineralogy (National), White Mountain Gem and Mineral Club (Show Low, AZ), Friends of Mineralogy – Colorado Chapter, and the City of Socorro, New Mexico.

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## COLORADO CHAPTER UPDATE

Your Report could be here!



## MIDWEST CHAPTER UPDATE

Your Report could be here!

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Quetzalcoatlite.  
Photo compliments of Dakota Matrix Minerals.



Quintinite.  
Photo compliments of Dakota Matrix Minerals.





## MISSISSIPPI VALLEY CHAPTER UPDATE

**Your Report could be here!**



## NEW JERSEY CHAPTER UPDATE

Friends of Mineralogy NJ Chapter had an excellent and thoroughly enjoyable Fall 2018 season. Back in mid-October, we were shown an excellent presentation by longtime educator and mineral enthusiast John Sanfacon, which explored the world of Synthetic and altered minerals, and comparisons to their real counterparts. John brought a variety of small instruments and specimens to illustrate how to tell the subtle differences. In particular, John discussed Morrisonite and Carborundum, and their similarities to true diamond, and he showed several instruments that can differentiate. Also discussed were alterations and fakes for rubies, emerald, topaz, and several other gemstones. He also brought along an industrially processed basalt "spool" in fibrous thread form, which he explained several industrial uses for such as asbestos replacement, and for replacement of rebar strands in construction. John also discussed various world regions and the tendencies to encounter Vendors selling the "real deal", and the fake counterparts, in those regions.

In mid-November, FM-NJ was treated to an outstanding presentation by long time collector and Vendor Bob Batic, with invited guest and former collecting partner, Robert Rybnicky. Anecdotes of infamous collecting incidents, for better and for worse, were shared in detail as Bob vividly recalled those events as if just yesterday. Tales of collecting at famed NJ localities such as Summit Quarry, Prospect Park, Fanwood Quarry, Millington, and others were shared with us, and prized specimens from some of those locations, were brought along and shown to us. We saw unbelievable traprock specimens, Franklin Materials, and several New England pieces. Bob also told us of his particular niche of studying historical aspects of our hobby, and showed us a renowned literature detailing Manchester's collection. He had some of the exact specimens pictured in the book; that was truly unique to see. Bob also brought along minerals for sale, which was an added treat. Overall, an outstanding presentation and one not to be missed.

We were afforded a unique opportunity in late October, to visit and have an exclusive front and backstage tour of Yale University's Peabody Museum of Natural History. Thanks to the efforts of Friends of Mineralogy National and Peabody Museum Board Member, Gail Spann, and Museum Curator Dr. Stefan Nicolescu, 6 FM-NJ members were granted a tour of David Friend Hall and the galleries of the Museum, as well as backroom offices and workshops, and classrooms. We saw unbelievably aesthetic mineral specimens of all forms, big and small, donated from Gail and Jim Spann as well as James Zigras, Mark Poposil, and several others. Enormous Fluorites, mesmerizing Elbaïtes, beautiful

Amethysts and incredibly aesthetic Beryls, Smithsonites, Stibnites, Arsenopyrites, and a host of others, rounded out the front stage tour portion. Also notable were several of Gail's most cherished miniatures displays, honoring several individuals close to her.

The backstage tour was astounding to say the least. We were shown a variety of 19th and 18th Century minerals, Collection catalogues, scientific literatures, and even field geology instruments and tools. Seeing James Dana's original rock hammer and Goniometer was a real thrill, as well as his first writing of the Dana System of Mineral Classification. Stefan also thoroughly schooled us on several of the notable collectors of the past whose specimens were acquired by the Peabody, notably Jean Gigot d'Orcy, Benjamin Silliman, and George Gibbs. Numerous other names were mentioned in addition to the cast of collectors whose samples became amongst the first that the Peabody ever acquired. We also were shown blueprints for the proposed 4th floor addition to the Museum, which will soon be underway. We wrapped up by briefly touring the rest of the Museum, walking through the Birds and into Dinosaurs studios, and taking group pictures.

We decided earlier in the year, that we would combine some local field collecting with our trip to Connecticut, since for everyone, it would be a multi-day venture. Through arrangements with the Connecticut Dept. of Energy and Environmental Protection, and CT State Geologist Margaret Thomas, we were able to visit and collect at 2 historic quarries in central CT, Nathan Hall Quarry and Case Quarry. Despite some navigational issues in trying to locate the Nathan Hall Quarry, we ultimately settled on a spot that we reasoned couldn't be too far from where the Quarry was, being that it had a large amount of works / pits and piles. Mike "Pie Man" Dunton did wind up finding 1 nice Beryl amongst the abundant pegmatite material, about 3 inches, running along the outside of a flattened rock "slab". It was dull yellowish in color, camouflaged w rest of the host rock. Also, Staurolite crystals were found late in the day, embedded in a nearby ridge, and collected by 2 of the members. Visiting the Case Quarry in Portland the next day, was also a thoroughly enjoyed venture. Multiple members found pieces of light greenish Beryl of varying sizes, and also several notable Garnet specimens were collected.



## PACIFIC NORTHWEST CHAPTER UPDATE



PNWFM new President, Toby Seim

Greetings All,

I'd like to start by acknowledging all of the members who attended our annual symposium "Minerals of California". In addition, a special thanks to the organizers, speakers and helpers. The displays were eye-catching, the dealers had new material and the speakers were very informative. As a 3-year attendee, I believe we have the strongest mineral informational event in the Pacific Northwest.

*As your President-*

Being elected and having the opportunity to serve as your *Friends of Mineralogy – Pacific Northwest Chapter* “President”, is both exciting and humbling. My first focus is to fittingly recognize Bruce Kelley for a job well-done with the contributions he’s provided during his span as President. He and his Board Officers were excellent, continuing to lead the PNWFM organization in a healthy direction. Thank you.

For the initial allotment of my term, I plan to learn: learn what aspects mean the most to us, the processes needed to upkeep our respected traditions, and what resources our well-accomplished members can provide. Our Board Officers have been doing a fantastic job in getting me up to speed. My long-term targets are focused towards providing **FUN** (key word alert) avenues for participation in an attempt to continually improve our effectiveness in order to demonstrate these previously developed goals:

Goals of the Organization

- To encourage the collection of minerals for their research, educational, and aesthetic values.
- To advance programs of mineral study and the educational activities of amateur groups.
- To promote the dissemination of information about minerals, mineral localities, collections and mineral studies.
- To preserve and protect mineral specimens for education and research.
- To promote the preservation of valuable specimen localities and mining deposits.

I look forward to being a catalyst for the growth of our chapter.

**Opportunities to Participate-**

**The Rice Northwest Museum of Rocks & Minerals** (Hillsboro, Oregon) has confirmed the date of Saturday 1/12/19 for us to conduct a field trip, we will meet at noon for details of the agenda. Julian Gray (Executive Director) has also ensured there will be space available to hold a PNWFM board meeting. I know this is short notice but this being my first good opportunity to interact with everyone, your attendance is much appreciated.

The recent weeks, I have been actively communicating with the management team of **The Whatcom Museum** (Bellingham, Washington). They are excited about potentially working with us and we have concluded that there are a couple different ways to make things worthwhile. There is some potential in their FIG (Family Interaction Gallery) center, which is an area for children. I believe the opportunities here may include having lectures or hands-on exhibits where the children can learn different aspects of geology/mineralogy through physically interacting. If you have any interest in contributing, please let me know as they do not know our capabilities. They will reach out with their ideas early next year. Stay Tuned

The other opportunity for us with The Whatcom Museum is to provide an exhibit. They are very interested, but curious, about what objects people would be willing to lend to the museum for 3 – 4 months. If you can provide high-quality objects/specimens that you would be willing to lend from your collection, they would love to consider showing them. I am putting my feelers out by starting a list of what people would be willing to lend, and why the specimens would be notable. If you are interested, please send information to Karen Hinderman.

Once again, I am excited and humbled to serve as your PNWFM President. I encourage all of you to reach out with any ideas or any input that may support the growth of our organization. Thank you to the current Board Officers and the members who actively participate. Cheers!



## PENNSYLVANIA CHAPTER UPDATE

The Pennsylvania Chapter closed out 2018 with our usual annual Symposium on Pennsylvania Mining and Mineralogy. Five speakers made presentations on a variety of topics, elections and a fund-raising silent auction were held, dealers offered specimens for sale, and there was time for visiting with fellow collectors at refreshment breaks and at lunch. The field trip to a serpentinite quarry was on a warm and pleasant day, a rarity during the wettest November on record for some nearby cities.

During 2018 we stepped up our field trip program, and we expect to continue with a significant program in 2019.



## SOUTHERN CALIFORNIA CHAPTER UPDATE

Your Report could be here!



## NATIONAL MEMBERS “AT-LARGE”

Your Report could be here!

**Would someone like to speak up for the “at-large”  
members?**

**Needs, wants, comments?**



Xanthiosite.  
Photo compliments of Dakota Matrix Minerals.

Xocomecatlite.  
Photo compliments of Dakota Matrix Minerals.



## From Your Editor

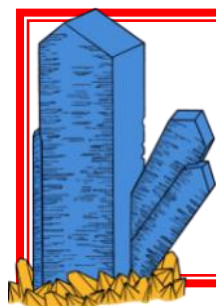
I invite all chapters and anyone from the Members At-Large to either email me their chapter newsletters or a President's report each quarter. Chapters would really like to learn from each other what is working for them or what exciting things are happening like field trips or presentations.

I request that they be emailed since I can store them in one location and not have to search around the internet for every chapter that posts theirs. Just add me to your email list. Beth Heesacker, heesacker@coho.net .

I also invite your pictures of your minerals to grace the pages of this newsletter.

Also please let me know if your President changes so I can keep the officers' page up to date.

Your articles can make this Bulletin a greater resource for mineral collectors around the world. Thank you in advance.



**Interested in a wonderful resource for teaching  
children about minerals?**

**Check out the books and other resources at  
Diamond Dan Publications.**

**<http://www.diamonddanpublications.net/>**

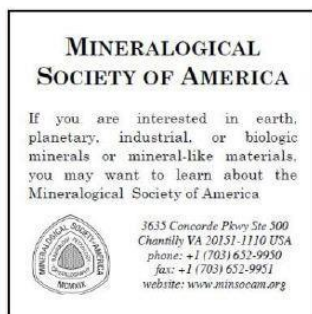
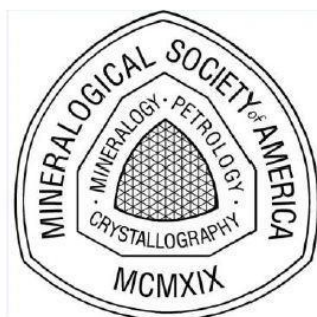


## FM AFFILIATES



The Friends of Mineralogy is a long-time affiliate of The Mineralogical Record magazine. The magazine was founded in 1970 by John White, who was at that time a curator in the Mineral Sciences Department of the Smithsonian Institution. With the initial help of a financial backer, Arthur Montgomery, White succeeded in launching and bootstrapping the fledgling publication to the point where it was marginally self-sustaining. After seven years as editor and publisher, White stepped aside for a new Editor, Wendell Wilson.

Since then the Mineralogical Record has grown steadily in size, quality and prominence, thanks to the contributions of over 700 authors, photographers, artists, advertisers and donors. It has become a collective labor of love on the part of the entire mineralogical community worldwide. It is the only journal to have a new mineral species named in its honor (minrecordite), and it is the only journal to have received the Carnegie Mineralogical Award. Subscriptions, back issues, books and a variety of free databases are available online at [www.MineralogicalRecord.com](http://www.MineralogicalRecord.com).



### MINERALOGICAL SOCIETY OF AMERICA

If you are interested in earth, planetary, industrial, or biologic minerals or mineral-like materials, you may want to learn about the Mineralogical Society of America



3635 Concorde Pkwy Ste 500  
Chantilly VA 20151-1110 USA  
phone: +1 (703) 632-9930  
fax: +1 (703) 632-9951  
website: [www.minsocam.org](http://www.minsocam.org)



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**Mineral News**

*The Mineral Collector's Newsletter*