

March 27 3-5:30pm Kings Park Library, Burke

Program: Diamond Prospecting Murfreesboro, Arkansas

by Jeff Guerber, Vice President

Our next meeting will be on Monday March 27 (note new date), from 3-5:30pm in the Kings Park Library meeting room. At the Feb meeting, we decided to shift meeting day to Monday to take advantage of the library's extended hours that day. Kathy Hrechka will present on her Diamond Prospecting in Murfreesboro, Arkansas, followed by selection of specimens from the collection Barry Remer very kindly donated to us. Everyone should have received the inventory list from Bob. We will also discuss plans for a trip to James Madison University's new mineral museum this spring or summer.



Mystery Micro Mineral of the Month



*Clue Locality: Soledad Mine, Antofagasta, Chile
by Aloha Pete Chin, Honolulu, Hawaii (answer p 3)*

President's Message:

by David Fryauff



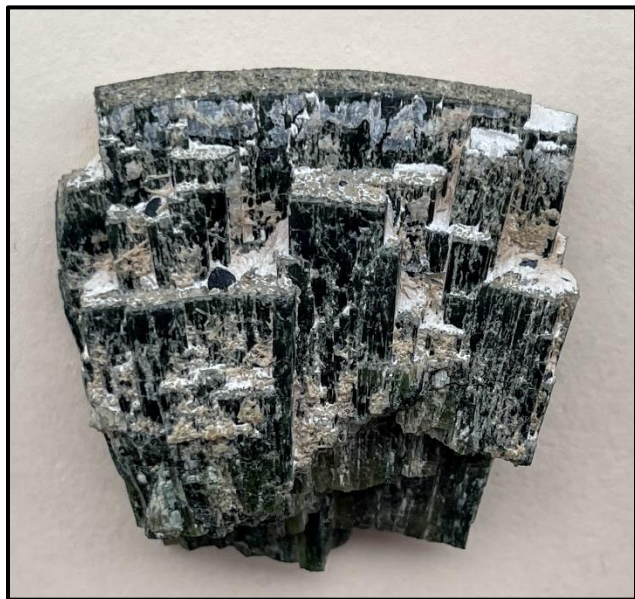
We had a very good meeting on February 22nd, and we all spent time discussing plans for an early summer version of our Atlantic Micromounter Conference. Great thanks go to Michael Pabst for his work in setting up this conference in the Department of Geology at James Madison University, in Harrisonburg, VA in the early part of June 2023. This would give those of us attending a chance to tour the recently opened JMU Mineral Museum which has become greatly expanded by the addition of more than 300 large, classic, and spectacular mineral specimens donated to JMU by the estate of Peter Via and valued at more than 16.8 million dollars. It will be good to reconnect with Drs. Lance and Cindy Kearns. Lance currently serves as the Emeritus Professor of Geology at JMU and curator of the new mineral museum.

I join with all of my fellow members of the Micromineralogists of the National Capital Area in thanking Barry Remherr for the generous donation of his personal mineral collection to our group, and for his many years of keen interest and joy in collecting minerals and micromounting. Many of the mineral specimens that Barry has donated to us come from famous localities that are no longer open to collectors. I am truly thankful to Barry for his generosity and kindness and his passion for collecting fascinating and beautiful minerals. We will miss you Barry, until we meet again.

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President's Message continued

by David Fryauff

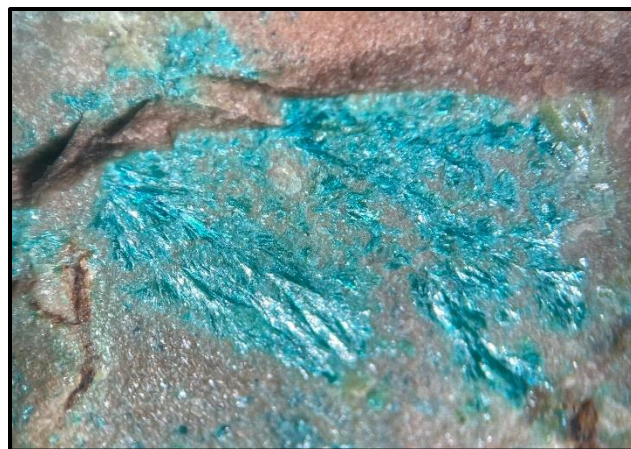


Mystery micro: This is an easy one and it comes from a famous place? FOV 6.0 cm.

*Answer: **hedenbergite** from Dalnegorsk
What is that little black octahedron?*



***Ilvaite**, Dalnegorsk FOV 4.0 mm.*



***Tyrolite** from Ireland (Barry's Collection) FOV 4.cm*



*Not a pretty specimen but seldom seen.... from the
Wheatley Mines in PA FOV 5.0 mm.*

Barry Remer update. Please visit him.

by Kathy Hrechka

We learned that Barry is now bedridden, and happy to converse with us. We so love Barry and remain his family within our geology community.

Please visit him or send a card to brighten his day. Sincerely, Kathy
**Potomac Place
3236 Locker Street
Falls Church, VA
22042**

Potomac Place phone
571-378-0295



Micromineralogists of the National Capital Area, Inc.

Previous Meeting Minutes 2.22.2023

by Bob Cooke, secretary



President Dave Fryauff called the meeting to order at 4 PM on February 22, 2023. Other members present were Jeff Guerber, Dave Hennessey, Kathy Hrechka, John Kress, David MacLean, and Bob Cooke. Dave Fryauff recognized past president Dave MacLean for his service.

Minutes of the January meeting were approved as published in the Mineral Mite. Treasurer Michael Pabst was unable to attend but had submitted a Treasurer's report by email. The report was read to the group and accepted.

Club members discussed a possible field trip to James Madison University. Members gratefully acknowledged the efforts by Michael Pabst to set up this trip. A proposed date of June 7th was rejected because of a conflict with a MSDC monthly meeting. Michael was encouraged to seek alternate dates with the realization that a Saturday event would allow participation by members of mineral clubs beyond the local area, whereas a weekday event would most likely restrict participation to the local MNCA members.

A change to the date of MNCA monthly meetings was proposed. The Kings Park library is open until 9 on Mondays and having club meetings on those days would allow members to remain in the library after the MNCA meeting and possibly continue mineral activities after the scheduled meeting. Club meeting hours would be unchanged at 3 – 6 PM. Members agreed to have future meetings at Kings Park library meeting room on 3rd or 4th Mondays, subject to availability.

MNCA members were eager to initiate distribution of the Barry Remer minerals. It was agreed that at the March meeting, members in attendance could select minerals in a random sequence (same process as used for George Reimherr's collection). The selection process is expected to continue over several meetings. A \$1 fee per mineral will be collected. Allocation of the proceeds to pay for Barry's expenses will be discussed at a future meeting.

Future geology events:

March 4-5: 59th Annual Delaware Gem, Mineral & Fossil Show at Doubletree by Hilton, 4727 Concord Pike, Wilmington, DE 19803

<https://www.dmsrocks.org/event-details/annual-dms-show>

March 10-11: 47th Annual Micromount Symposium hosted by the Leidy Micromount Society. Advent Lutheran Church, 45 Worthington Mill Rd, Richboro, PA 18954. <https://leidymicroscopical.com/wp-content/uploads/2023/01/January-2023-Calendar-of-Events.pdf>

March 14: 3PM Steve Sorrell's Micromount Club Zoom Meeting 23-03 – Martin Stolworthy will present on Minerals of Scotland. Register at <https://us02web.zoom.us/meeting/register/tZ0pce-qgTIsHtMYxOpg86xEbjmvpnP-JQ6Y> General info at <https://crocoite.com/index.php/2021/07/the-micromount-club-zoom-sessions/>

March 18-19: 56th Annual GLMSMC Gem, Mineral, and Fossil Show (MNCA will host a micro-mineral demonstration table at the show).

<https://www.glmsmc.com/show.shtml>

Meeting adjourned at 5 PM.

Prior Program Reviewed 2.22.2023

Members in attendance viewed microminerals, etc. from the collections of Barry Remer and the late Jack Nelson. Jack's collection featured micros from Sugar Grove, WV.

Mystery Micro Mineral of the Month

by Aloha Pete Chin, Honolulu, Hawaii

Arhbarite Soledad Mine, El Guanaco Mine, Taltal, Antofagasta Province, Antofagasta, Chile. From Terry Szenics. FOV = 5 mm.

Gold

by Michael Pabst PhD, Treasurer

After my recent series of articles on nickel and cobalt minerals, the next logical step would be to consider iron minerals. These three elements are located next to each other in the Periodic Table, so they have similar chemical properties, and they are frequently found mixed in minerals. We will come back to iron soon. But now that I am maturing gracefully, I don't have to be logical anymore. And I feel like talking about Gold!

Gold crystallizes isometric $m3m$ – hexoctahedral. Hardness $2\frac{1}{2}$ -3. Specific gravity 15-19.3 g/cm³. Of course, it has a beautiful shining gold color. Well-crystallized specimens are beautiful. But, in my opinion, many gold specimens like nuggets are overpriced, especially when they are not that pretty. This goes beyond the fact that gold metal is way overpriced, based on irrational fears. Gold is far more useful than Bitcoin, of course. But still, you can't eat it when disaster strikes. There are huge amounts of gold loitering in vaults and doing no good. Irrational.

Happily, there are some pretty specimens of mineral Gold. I have seen some beauties in museums. I have seen some beautiful micromounts. And I am lucky to have in my collection a lovely gold specimen from Hope's Nose in Devon, England, shown below:



Gold. Hope's Nose, Torquay, Devon, England. FOV 7 mm. Photo by Michael Pabst, taken through a stereo microscope with an Olympus E-M5 MarkII camera.

For size contrast, here is a large and beautiful specimen of Gold from the Colorado Mine in Mariposa County, California, currently residing at the Houston Museum of Natural Science. Nicknamed "The Dragon":



Gold. "The Dragon". Colorado Mine, Mother Lode Belt, Mariposa County, California. Height of specimen 18 cm. Photo by Michael Pabst, taken in 2004 with a Kodak DC4800 digital pocket camera, unfortunately with flash.

Here is better photo by Jolyon Ralph from Mindat: <https://www.mindat.org/photo-153026.html>.

The James Madison University Mineral Museum has several outstanding gold specimens.

continued next page



Gold continued



Gold. Mockingbird Mine, Mariposa County, California. Maybe ~10 cm. Photo by Michael Pabst, using iPhone. This is my favorite Gold at JMU, because of its color and sparkle.

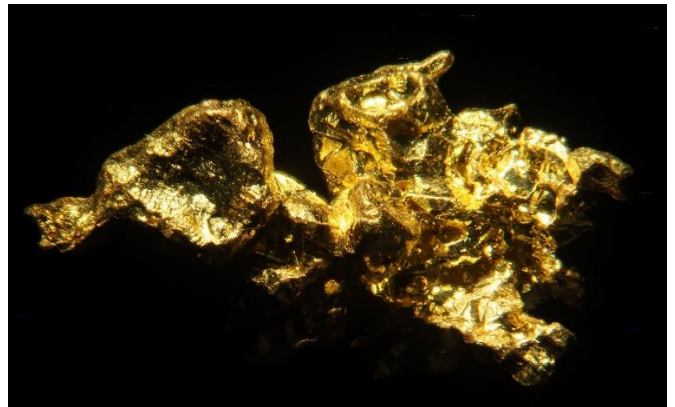


Gold, Eagles Nest Mine, Placer County, California. 24 cm. Photo by Michael Pabst using iPhone SE. If the specimen in Houston is “The Dragon”, maybe this one should be “The Moose”.

As fellow micromineralogists, you might ask why I am teasing you with these big and expensive specimens of Gold. I consider these big specimens to be just piled-up micros. I am sure that every millimeter of these specimens would be wonderful to view with a stereo microscope. But getting back to reality, I do have photos of two more actual micro gold specimens from my collection below:



Gold. Grass Valley, Nevada County, California. FOV 7 mm. Photo by Michael Pabst, using stereo microscope, stacking 26 images.



Gold. Red Ledge Mine, Washington, Nevada County, California. FOV 7 mm. Photo by Michael Pabst, using stereo microscope, stacking 19 images.

Perhaps in anticipation of this article, the Mindat Photo-of-the-Day for January 24, 2023, featured a Red Ledge Gold specimen that is 260 mm wide: <https://www.mindat.org/photo-1022834.html>. Photo by Jeff Scovil. This foot-wide Gold specimen resides at the Cranbrook Institute of Science in Bloomfield Hills, Michigan.

Next time, there will be gold minerals that contain gold along with other elements. Think Sylvanite AgAuTe_4 , for example.

Micromineralogists of the National Capital Area, Inc.

Atlantic Micromounters' Conference

by Michael Pabst, Treasurer

This year, in 2023, the Micromineralogists of the National Capital Area (MNCA) will not have our usual Atlantic Micromounters Conference in the Spring. After a decade of work, Kathy Hrechka has resigned as conference organizer. She will still be editor of our Mineral Mite newsletter, and our webmaster. Unfortunately, we are unable to find anyone in our ageing membership to match her energy and dedication who is willing to organize the Atlantic Micromounters' Conference in the future.

The 2023 Atlantic Micromounters' Conference will be different. We will hold the Conference on Saturday, June 3 at James Madison University in Harrisonburg, Virginia. The conference will start at 10:30 am, so that people from the DC area or similar distances can drive to Harrisonburg on Saturday morning without losing much sleep. There are many inexpensive motels in Harrisonburg if you want to arrive on Friday or stay over on Saturday night.

Dr. Elizabeth Johnson, Professor and Curator, will give a talk about the Phil Cosminsky and Fred Keidel micromount collections at 11:00, then we will break for lunch. (We will offer guidance on dining.) In the afternoon we will visit the *stunning* James Madison Museum Mineral Museum (in two groups if necessary), mixed with viewing and trading micromounts till about 3:30. For a preview of the JMU museum, look at the article in the *Mineralogical Record*, volume 51, page 703, September-October 2020. There are also some photos and information on the JMU website.

<https://www.jmu.edu/mineralmuseum/index.shtml>.

Because of JMU rules, we cannot have dealers or an auction, but we can trade, and there will be giveaways. The attendance will be limited to 50 people. There will be no fee for the conference. Contact Michael Pabst michaeljpabst@yahoo.com

Phil Cosminsky's micromineral gold diamonds at JMU, Harrisonburg, VA photo K. Hrechka



Local Geology Shows / Symposiums

March 4-5, 2023 - Wilmington, DE - Earth Science Gem and Mineral Show sponsored by the Delaware Mineralogical Society, Doubletree by Hilton, 4727 Concord Pike, Wilmington, DE 19803. Saturday 11:00 AM to 5:00 PM, Sunday 11:00 AM to 5:00 PM. For more information visit the club's website: <http://www.dmsrocks.org>

March 10-11, 2023 - Richboro, PA - 47th Annual Micromount Symposium hosted by the Leidy Micromount Society. Two Day event: Friday March 10, 2023, noon to 6pm & Saturday, March 11th, 2023, 9am to 6pm. Same NEW location: Advent Lutheran Church, 45 Worthington Mill Rd, Richboro, Pa. 18954. Two Speakers: Friday- Brittany A. Cymes, Ph.D. TOPIC: Microscopy of Solar Wind Particles Trapped in Lunar Surface Minerals. Saturday - Robert A. Carlton, Ph.D. Topic: Mineral Analysis for the Micro-Mineral Collector. Table space (for two days): \$25.00 & \$40.00 (full table, 6ft). Visitor's Fee (no table): \$5.00 Friday & \$10.00 Saturday (includes lunch) Reservations/ Admission: Make checks payable to; Don McAlarnen, 916 Senator Rd, East Norriton, PA 19403 (610) 584-1364 Questions: Email: donmcalarnen@outlook.com

March 18-19, 2023 - Gaithersburg, MD - Gem, Mineral & Fossil Show sponsored by Gem, Lapidary, and Mineral Society of Montgomery County MD., Inc., Montgomery County Fairgrounds, 16 Chestnut, Gaithersburg, MD 20877. Saturday 10:00 AM to 6:00 PM, Sunday 11:00 AM to 5:00 PM. For more information visit <http://www.glmsmc.com/>

57th Annual Gem, Mineral, Fossil & Jewelry Show
Date/Time: March 18-19, 2023 Saturday 10-6, Sunday 11-5
Location: Montgomery County Fairgrounds; Building #6
16 Chestnut St. Gaithersburg MD 20877

Featuring:
Hourly door prizes
Gold panning
Fluorescent minerals
Raffle prizes
Free parking

20+ vendors of minerals, beads, fossils, gems, and jewelry
40+ exhibits by club members, including junior exhibits
Two floors of everything mineral related
Mini Mine, free minerals, and activities for children
Demonstrations of faceting, micromineralogy, jewelry making, and physics

Children (11 and under) Free! Ages 12 and over \$6
Scouts in Uniform Free! 4H youth with 4H identification Free!
More info at: www.glmsmc.com

Show this flyer for \$1 off admission price (applies to each member in your group)

MNCA Demo table, please participate.

The Mineral Mite March 2023

Micromineral News from Australia

March 14, 2023 @ 3:00 pm ET

Martin Stolworthy will present Minerals of the Isle of Skye, Scotland.

MNCA Editor's note: thanks to Steve Sorrell from Melbourne, Australia, we have been connecting with new mineral friends around the world for the past three years. I have learned that he is a master photomicrographer, as well author of mineral books and a talented artist.

February 15 Speaker Recap: Frank Loman "The Khibiny Alkaline Complex and its Minerals"

by Steve Stuart, editor of Micro News, the Canadian Micro Mineral Association CMMA

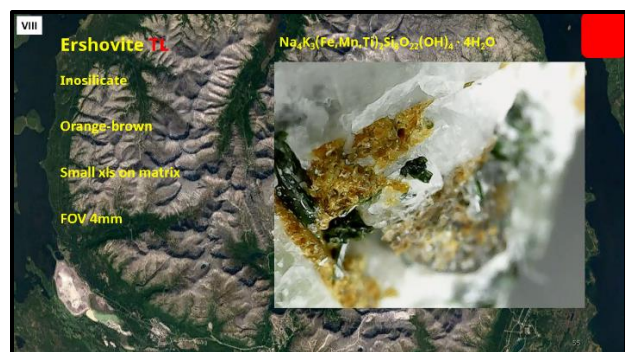
Frank is from the Netherlands and is a species mineral collector with about 2,500 in his collection. He recently acquired a suite of minerals from the Kola Peninsula in Russia which formed the basis of this talk. The Khibiny Massif and its neighbor, Lovozero are in the center of the Kola Peninsula, which is in Murmansk Oblast. It shares a border with Finland and Norway and the Karelia Province of Russia. The Khibiny Massif consists of concentric rings of nepheline syenite rocks of varying composition, resulting in complex mineralogy similar to Mont Saint-Hilaire, Magnet Cove and other syenite deposits in North America. His presentation covered thirteen localities within the Khibiny Massif, and he showed single-shot images that he took of 55 species, many of them Type Locality species. Lots of "dark uglies" but interesting none the less! The following minerals are from Rasvumchorr Mountain, Kola Peninsula in Russia.



Screen shots by Kathy Hrechka

Frank's Khibiny program can be viewed here:

<https://www.youtube.com/watch?v=MmtsYNDLRuA>



Steve Sorrell resides in Melbourne, Australia and hosts various geology persons of interest at their micromount meeting each month on Zoom. You can sign up for Steve's programs, while enjoying friendly faces within our geology community around the globe.



Register for this and other future Zoom sessions here: <https://crocoite.com/index.php/2021/07/the-micromount-club-zoom-sessions/>

steve@sorrellpublications.com

Mineral Talks Live March 1 @ 1pm ET
Speaker: Jeff Swanger

“Jeff Swanger is a long-time resident of Southern California and is an actual miner in the last gem-producing mining area in the Pala region. Directly across the valley from the Tourmaline Queen Mine (the first discovery of Blue Cap Tourmaline in 1970's) is the Oceanview Mine and the Pala Chief Mine - now 100% operated by Jeff Swanger. Jeff has recovered some incredible specimens from these mines over the past 35 years and he's still going strong.

Jeff also started a pay-to-dig site at the mines where visitors get to sift through the tailings of his workings to discover little treasures of their own. Aquamarine, Tourmaline, Kunzite, Feldspar, Mica, Lepidolite and much more is what the over 500 visitors a month can hope to discover here. Over the past 24 years of operation, DigForGems.com has introduced thousands of people to the amazing world of mineral collecting while also having a share of historic finds”!

Register in advance for this webinar:

<http://go.mineraltalkslive.com/register>

After registering, you will receive a confirmation email containing the link joining the webinar.

Bryan Swoboda, Blue Cap Productions, Honolulu, HI
info@mineraltalkslive.com

47th Annual Micromount Symposium
hosted by Leidy Micromount Society
Richboro, PA - March 10-11, 2023

Friday March 10, 2023, noon to 6pm

Saturday, March 11th, 2023, 9am to 6pm

Location: Advent Lutheran Church,
45 Worthington Mill Rd, Richboro, PA 18954

Friday speaker - Brittany A. Cymes, Ph.D.

TOPIC: Microscopy of Solar Wind Particles Trapped in Lunar Surface Minerals.

Biography: Dr. Brittany Cymes is a postdoctoral researcher at the U.S. Naval Research Laboratory where her principal focus is analyzing newly released Apollo 17 samples with electron microscopy and microanalytical approaches. These special lunar samples, first placed into frozen curation in 1972, are revealing new information to scientists thanks to advances in technology over the past fifty years. Dr. Cymes received her doctorate in geology from Miami University and her research interests revolve around mineral alteration processes and surface chemistry in different environments. She specializes in using electron microscopy to study planetary materials to better understand processes taking place across the Solar System and beyond.

Saturday speaker - Robert A. Carlton, Ph.D.

Topic: Mineral Analysis for the Micro-Mineral Collector

Biography: Dr. Robert Carlton worked for nearly 40 years in the research and development of fiberglass insulation, orthopedics, and pharmaceuticals. His specialty is solidstate analysis with a particular interest in microscopy. Robert retired from fulltime employment in early 2016. He is now teaching microscopy and consulting on solid-state analysis. He is also applying his analytical experience to minerals as an avocation. Robert is President of the Philadelphia Society for Microscopy and a member of the Leidy Microscopy Society. Robert's education is in chemistry with a Ph.D. from Lehigh University. He has taken numerous courses at McCrone Research Institute on microscopy from Skip Palenik and Walter McCrone. Robert worked for pharmaceutical companies Rhone-Poulenc Rorer (Aventis, Sanofi), Elan (NanoCrystal), and GlaxoSmithKline in microscopy and solid-state analysis for 24 years. He published a book on Pharmaceutical Microscopy in 2011 with Springer

Table space (for two days): \$25.00 & \$40.00 (full table, 6ft) Visitor's Fee (no table): \$5. Fri & \$10. Sat Registrations (includes lunch) Make checks payable: Don McAlarnen, 916 Senator Rd, East Norriton, PA 19403 (610) 584-1364

Questions: Email: donmcalarnen@outlook.com

47th Annual
Leidy Microscopical Society
Micromount Symposium

TWO GREAT SPEAKERS

FRIDAY
"Microscopy of Solar Wind Particles Trapped in Lunar Surface Minerals"
By Brittany A. Cymes, Ph.D.

SATURDAY
"Mineral Analysis for the Micro-Mineral Collector"
By Robert A. Carlton, Ph.D.

*Silent Auctions*Give-Away Tables*

March 10 - 11, 2023
Fri. Noon to 6:00 PM
Sat. 9:00 AM to 6:00 PM

Lunch to be Provided on Saturday with Paid Admission
Table Space for Two Days: \$25.00 for 1/2 of 6 Foot Table, \$40.00 for Full 6 Foot Table
Visitor's Fee: \$5.00 for Friday, \$10.00 for Saturday (Includes Lunch)

Micromineralogists of the National Capital Area, Inc.



American Federation of Mineralogical Societies

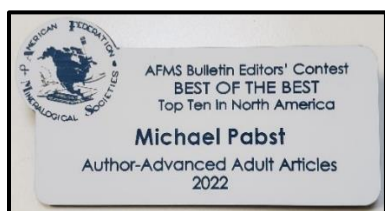
(AFMS)
www.amfed.org

Please read the AFMS bulletin attached in original monthly email to MNCA members.

2023 Purpose of the AFMS: To promote popular interest and education in the various Earth Sciences, and in particular the subjects of Geology, Mineralogy, Paleontology, Lapidary, and related subjects, and to sponsor and provide ways to coordinate the work and efforts of all interested persons and groups; to sponsor and encourage the formation and international development of Societies and Regional Federations and thereby to strive toward greater international good will and fellowship.

Congratulations Michael Pabst!

The American Federation of Mineralogical Societies Bulletin Editors Advisory Committee Awarded Michael Pabst 9th Place for his article "Cumengeite and Pseudoboleite" which was published in The Mineral Mite 2021. Michael was honored on October 17, 2022, in New Orleans, Louisiana, the location for the AFMS/SCFMS Convention. Michael received a certificate as well as a new name tag.



Celebrating 50 years!
The Rock & Gem magazine is recognized as the official magazine of the AFMS.
Free archived downloads

[Rock & Gem Magazine Archive : Free Download, Borrow, and Streaming : Internet Archive](#)

The Mineral Mite March 2023



Eastern Federation of Mineralogical and Lapidary Societies

(EFMLS)
<https://efmls.org>

**Communication and Involvement
Are the Keys to Our Success!**

Please read the EFMLS bulletin attached in original monthly email to MNCA members.

Local Geology Club Meetings:

March 2023

1: Mineralogical Society of the District of Columbia
MSDC 7:30pm **Zoom**
www.mineralogicalsocietyofdc.org

6: Northern VA Mineral Club NVMC 7:30 Zoom
www.novamineralclub.org

13: The Gem, Lapidary and Mineral Society of Montgomery County, Maryland - GLMSMC
Meeting 7:30 pm www.glmsmc.com

??: The Gem, Lapidary and Mineral Society of Washington, DC - GLMS-DC meeting
www.glmsdc.org

15: Baltimore Mineral Society BMS meeting
www.baltimoremineralsociety.org

27: Micromineralogists of the NCA, Inc. MNCA
3-5:30pm Kings Park Library, Burke
www.dcmicrominerals.org

*Oh, you were looking for rock jokes. Let's see what we can dig up.

*A geologist's favorite drink is anything on the rocks.

*The miner got sick of his job because it was just boring.

*You didn't think these were good puns? Of quartz they were!
(Discovered in Reader's Digest)

Micromineralogists of the National Capital Area, Inc.



Micromineralogists of the National Capital Area
www.dcmicrominerals.org

We are temporarily meeting at Kings Park Library in Burke, 3-5:30pm (forth Wednesdays) until we locate a permanent meeting place.

GeoWord of the Day and its definition

cobaltomenite (co-bal-to'-men-ite) (a) A red or pink monoclinic mineral: $\text{CoSe}^{4+}\text{O}_3 \cdot 2\text{H}_2\text{O}$. It is isostructural with ahlfeldite and clinochalcomenite. (b) A group name for monoclinic minerals of the general formula $A \text{SeO}_3 \cdot 2\text{H}_2\text{O}$, where $A = \text{Co}, \text{Cu}$ or Ni .

crystal sandstone (a) A sandstone in which the quartz grains have been enlarged by deposition of silica so that the grains show regenerated crystal facets and sometimes nearly perfect quartz euhedra. Crystal sandstones of this nature sparkle in bright sunlight. (b) A sandstone in which calcite has been deposited in the pores in large patches or units having a single crystallographic orientation, resulting in a "poikiloblastic" or "luster-mottling" effect. In some rare sandstones with incomplete cementation, the carbonate occurs as sand-filled scalenohedra of calcite sand crystals (Pettijohn et al., 1972, p.164).

saimaite A black monoclinic mineral of the *chevkinite* group: $(\text{Sr}, \text{REE})_4\text{Fe}(\text{Ti}, \text{Zr})_2\text{Ti}_2\text{Si}_4\text{O}_{22}$. It is probably *strontiochevkinite*, and has not been approved by the International Mineralogical Association.

swamboite (swam'-bo-ite) A pale yellow monoclinic mineral related to the *uranophane* group: $\text{U}^{6+}(\text{UO}_2)_6(\text{SiO}_3\text{OH})_6 \cdot 30\text{H}_2\text{O}$.

All terms and definitions come from the [Glossary of Geology, 5th Edition Revised](#).

GeoWord of the Day is brought to you by: EnviroTech! envirotechonline.com.

AGI was founded in 1948, under a directive of the National Academy of Sciences. It is a not-for-profit 501(c)(3) organization dedicated to serving the geoscience community and addressing the needs of society. AGI headquarters are in Alexandria, Virginia.

MNCA Purpose: To promote, educate and encourage interest in geology, mineralogy, and related sciences.

President: David Fryauff
Vice President: Jeff Guerber
Secretary: Bob Cooke
Treasurer: Michael Pabst
Editor/Historian: Kathy Hrechka
Website: Kathy Hrechka
AMC Conference: open

The society is a member of:

- * Eastern Federation of Mineralogical and Lapidary Societies (EFMLS) www.efmls.org
- * American Federation of Mineralogical Societies (AFMS) www.amfed.org affiliation

Dues: MNCA Membership Dues 2023
\$15 (single) or \$20 (family) donations
MNCA - Michael Pabst, Treasurer
270 Rachel Drive
Penn Laird, VA 22846

Editor's Note: By Kathy Hrechka
Send your articles and photos to your editor.
Club Article Deadline is 1st of each month.
The Mineral Mite will be emailed by 5th.
No newsletter July/August

Inducted into Editor's Hall of Fame – 2018
EFMLS Trophy 2021 Small bulletins



Newsletter inputs:

- * David Fryauff
- * Jeff Guerber
- * Michael Pabst
- * Bob Cooke
- * Kathy Hrechka
- * Pete Chin
- * McAlarnen



The Mineral Mite March 2023