

Nov 21 3-5:30pm Kings Park Library in Burke, VA

Program: G. Reimherr's Micros III

by Jeff Guerber, Vice President

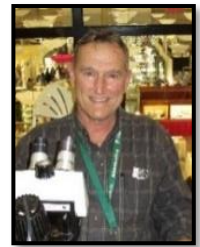
At the meeting on MONDAY NOV 21 (NOTE DATE CHANGE!), we will conclude the distribution of George Reimherr's micro mineral collection. There are still eighty specimens remaining; see the email from Bob Cooke on Oct. 28 for a list. You must be physically present or give a proxy with a list of specimens you would like to someone who will be present. We will also discuss plans for the 2023 Atlantic Micromount Micromounters' Conference. We will have Micromineral study and discussion, so bring anything else you would like to share. We had to change the date for this month due to room (lack of) availability, plus our usual day would have been the day before Thanksgiving!
[9000 Burke Lake Rd., Burke, VA 22015](http://www.dcmicrominerals.org)



President's Message:

by David Fryauff

Looking back over the busy month of October, three things stand out that relate to the Micromineralogists of the National Capital Area. On the 7th and 8th of October the Baltimore Mineral Society held its 66th Annual Paul Desautels Memorial Micromount Symposium--in actual face-to-face as well as zoom meeting formats. I attended, along with David Maclean and Kathy Hrechka from our MNCA group. Kathy gave a brief presentation on Friday night devoted to her personal interest and experience at the famous Crater of Diamonds site in Murfreesboro, Arkansas.



I was eager to attend the Saturday session after a COVID-induced hiatus of 3 years. Those who did attend the reconvened 2022 symposium renewed their friendships and were pleasantly surprised with the bounty of giveaway minerals from famous mines in the western US, Canada, and some faraway places as well. Sincere thanks to all those who contributed to the giveaway tables.

Congratulations to new Micromounter Hall of Fame inductees Robert Housley (CA) and Thomas Mortimer (NH). On the last Wednesday of October, we reconvened to increase our personal collection of micromounts from the hundreds of fine mounts that our dear friend, George Reimherr had made during his life. The proceeds of this sale went to our MNCA club.

Mystery Micro Mineral of the Month



Clue: Antifagasta, Chile. Pete Chin Honolulu, HI

Mystery Micro Mineral of the Month

Answer: Gilmarite, El Guanaco Mine, Taltal, Antofagasta Province, Antifagasta, Chile.
FOV = 5 mm. by Aloha Pete Chin, Honolulu, HI

Minutes Previous Meeting 10.26.2022

by Bob Cooke, secretary

The Micromineralogists of the National Capital Area (MNCA) met at Kings Park Library, Burke, Virginia on October 26, 2022, at 3 PM.

Members present were Dave Fryauff (presiding), Bob Cooke, Jeff Guerber, Dave Hennessey, and John Kress.

New business: Following discussion about a micro-mount demonstration table at the Northern Virginia Mineral Club / George Mason University Mineral Show on November 19-20, 2022, the group decided to participate. Dave Hennessey called Tom Taaffe to confirm the decision and to request MNCA be allocated two tables.

Members discussed the pricing of micromounts to be distributed from the George Reimherr collection. It was agreed to reduce the price to \$1 for distributions following the October meeting.

Field trip: Dave Fryauff announced a field trip for the coming Saturday to Kibblehouse, Pennsylvania.

Old business: Discussion of plans for the 2023 Atlantic Micromounters Conference (AMC) revealed no one willing to assume the responsibilities assumed by Kathy Hrechka in prior years. The business meeting adjourned at 4 pm.

Prior Program Reviewed 10.26.2022

by Bob Cooke, secretary

The rest of the meeting consisted of distribution of micromounts from the George Reimherr collection.



George Reimherr's Microminerals

Eastern Federation of Mineralogical and Lapidary Societies, Inc.

“2022 Awards - Bulletin Editors Contest”

Congratulations to the following members!

Original Educational Articles – Advanced
Michael Pabst “Proustite” 2nd Place



Original Educational Articles – Advanced
Michael Pabst “Cumengeite and Pseudoboliete” 3rd Place

Written Features

Kathy Hrechka “Mineral Talks Live” 8th Place

Written Features

Kathy Hrechka “Canadian Micro Mineral Association Virtual Symposium” 6th Place

Editor’s Note: I thank Michael Pabst for consistently contributing educational articles for The Mineral Mite. We have a great hobby of micromineral collecting and much to share. So, please submit your articles for future publications. *Sincerely, Kathy*



Sphero-cobaltite

by Michael Pabst PhD, Treasurer

Sphero-cobaltite is cobalt carbonate CoCO_3 . Because of the Co^{2+} chromophore, Sphero-cobaltite is reddish purple. It has hardness of 3 – 4 on the Mohs scale. The name comes from cobalt and from the observation that it often occurs in spherical aggregates of crystals. Sphero-cobaltite is a member of the Calcite Group. Sphero-cobaltite crystallizes in the triclinic system $\bar{3}m$ – hexagonal scalenohedral, like Calcite CaCO_3 and Rhodochrosite MnCO_3 .

In cobalt-rich areas, like Kolwezi in the DR Congo or Bou Azzer in Morocco, cobalt sometimes partially replaces calcium in the more common carbonates like calcite and dolomite, producing many attractive reddish-purple specimens for display, some of them labeled “Sphero-cobaltite”. These specimens should be named “Cobaltoan Calcite” or “Cobaltoan Dolomite”. Only rarely does Co^{2+} exceed Ca^{2+} in the crystal composition, making true Sphero-cobaltite relatively rare.

Here is a Mindat link showing the spherical or disk-like habit of Sphero-cobaltite:

<https://www.mindat.org/photo-1002143.html>

(Photo by Chris Emproto).

Here is a link showing Sphero-cobaltite in a form resembling Calcite or Magnesite:

<https://www.mindat.org/photo-102673.html>

(Photo by Jean-Marc Johannet).

Here is a Mindat link showing Sphero-cobaltite associated with the cobalt sulfide mineral Carrolite CuCo_2S_4 : <https://www.mindat.org/photo1051317.html> (Photo by Simon Philippo). (We will look at cobalt sulfides and arsenides later.)



Here is a link showing purple Sphero-cobaltite with pink fuzzy balls of Erythrite:

<https://www.mindat.org/photo-1224324.html>

(Photo by Jean-Vincent Coureau).

Let us now see what can be found in our local collections. First is a Sphero-cobaltite specimen from the George Reimherr collection, which was sold at the recent Atlantic Micromounters Conference auction to Scott Duresky.



Sphero-cobaltite on Quartz. Bou Azzer, Morocco. FOV 6 mm. Photo by Michael Pabst, using macro lens and Raynox lens, stacking 23 images.

From my collection, here is photo showing the spherical crusty form of Sphero-cobaltite, garnished with a nice blade of Erythrite. This specimen is also labeled for Alloclasite crystals, a black cobalt iron arsenic sulfide $\text{Co}_{1-x}\text{Fe}_x\text{AsS}$ ($x \approx 0-0.35$). Alloclasite is a member of the Löllingite Group, which also contains the cobalt arsenide Safflorite $(\text{Co},\text{Ni},\text{Fe})\text{As}_2$. More about cobalt arsenides in a later article.

continued next page



Spherochalcite with blade of Erythrite with black Alloclasite, Bou Azzer Mine, Morocco. FOV 3 mm. Photo by Michael Pabst, using macro lens, stacking 40 images. (Pabst specimen #1156)

Another view from the same specimen #1156 follows:



Spherochalcite and Erythrite, Bou Azzer, Morocco. FOV 4 mm. Photo by Michael Pabst, using stereomicroscope, stacking 26 images. (#1156)

And one more photo from this large specimen with many different areas to examine:



Spherochalcite on Quartz, Bou Azzer, Morocco. FOV 1.5 mm. Photo by Michael Pabst, using stereomicroscope, stacking 25 images. (#1156).

Next is a Spherochalcite specimen from the Agoudal Mine, Bou Azzer, Morocco (#1210). The photo shows Spherochalcite encrusting Quartz crystals.



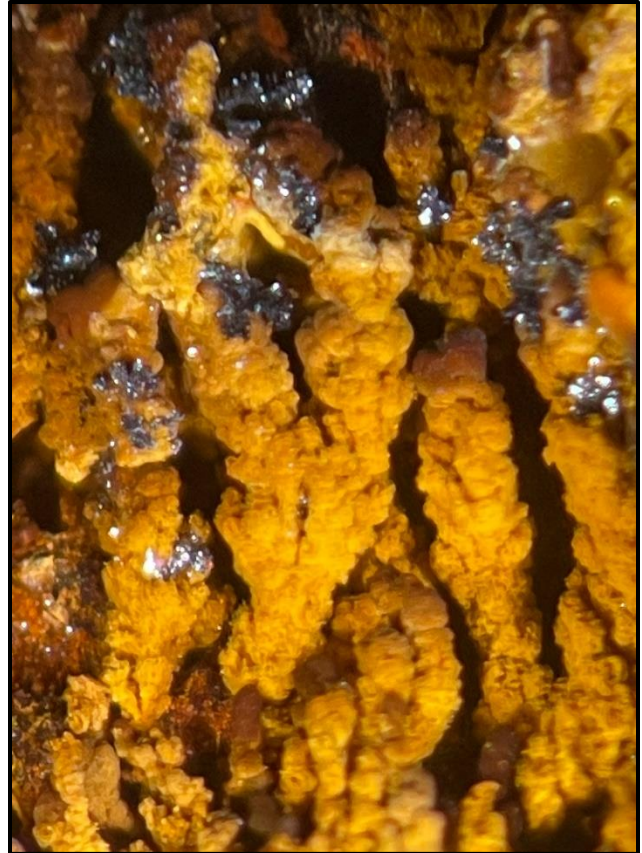
Spherochalcite, Agoudal Mine, Bou Azzer, Morocco. FOV 3 mm. Photo by Michael Pabst, using stereomicroscope, stacking 26 images from specimen #1210.

There are more interesting cobalt secondary minerals, some of which we will examine in the next article.

Haines-Kibblehouse Quarry PA/MD

by Dave Fryauff, president

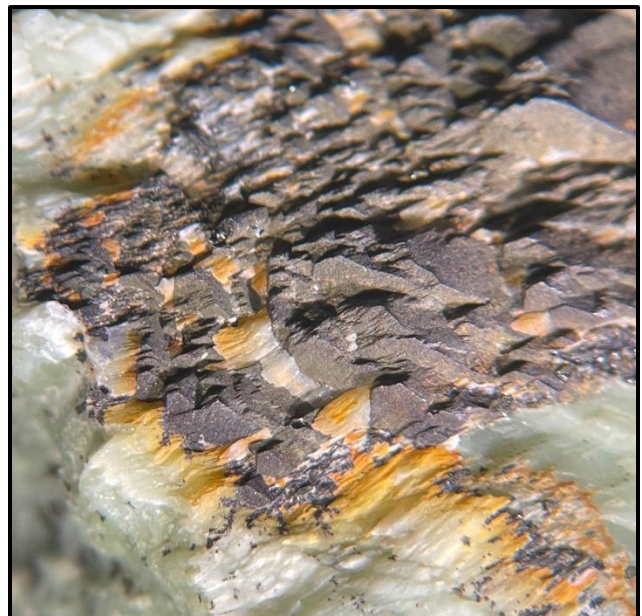
The end of last month found me in the field as the leader of a field trip to the Haines-Kibblehouse PA/MD serpentine quarry in Lancaster Co., PA. This serpentine quarry sits within the once famous State Line Chromite Mining District and its immediate neighbor, the Cedar Hill quarry boasts 31 mineral species, including the rare Type Locality mineral desautelsite. The Penn/Md quarry is one of the few quarries still open to collectors and for this October 29th event, four clubs (Northern VA, DE, Southern MD, and Montgomery Co., MD) came together for what is probably the last field collecting event of the year. To my knowledge, no one found any desautelsite, or nakauriite, or mcguinnessite, but yours truly found common goethite which appears to be a new locality record for the Penn/Md quarry, and the other quarries in the State Line Chromite Mining District of Lancaster, PA



Goethite (or hematite) microcrystals on stalactite-type limonite H-K Penn/Md quarry, Lancaster Co., PA, USA 2.0 mm FOV. D. Fryauff microminerals



Botryoidal goethite above yellow ochre limonite from the H-K Penn/Md quarry, Lancaster Co., PA





Magnetite xls on serpentine, H-K Penn/Md quarry, Lancaster, PA, USA 5.0 mm FOV. D. Fryauff

**Friends of Mineralogy
Virginia Chapter FMVA**
by Thomas Hale, President



[NOVA Trap Rock Quarries Publication
Video](#) by Thomas Hale on YouTube!



NEW BOOK ON VIRGINIA TRAP ROCK QUARRIES!

The first major publication on Virginia's mineral resources in thirty years.

This publication combines a detailed review of the region's mineralogical and geological heritage, including a deep dive into the aggregate industry and its importance in society. Through this industry and mineralogy approach, the publication will be immensely useful for teachers, tourists, collectors, and nature enthusiasts wanting to learn more about Virginia's mineralogical history. Biographies of some of the most important people involved in mineral collecting in the trap rock quarries and Virginia's mineral history are presented along with many of their collecting stories, which are published here for the first time.

\$35 PER COPY

- 6" x 9" Size
- 144 pages
- 87 Mineral Species
- 12 NOVA Quarries

WATCH NOW

Why buy this book?

FULLY COLORED IMAGES

The NOVA Trap Rock Quarries publication provides over 100 colored photographs to help illustrate the region's beautiful mineral diversity and rich geologic history!

COMMUNITY DRIVEN

Created by the community for the community, this publication is a true passion project for those wanting to preserve the state's mineral resources for future generations!

SPECIMEN IDENTIFICATION

Our team has worked hard to help differentiate between similar mineral species across various quarries. Now you will know the difference between prehnite from Bealeton and Goosecreek. We also include a mineral checklist for each locality.

EDUCATIONAL AND INDUSTRY RESOURCES

This publication is perfect for teachers looking to find modern information about rocks and minerals in Virginia. Our book provides a template for teachers to educate about the NOVA trap rocks and engage in much broader geology topics!

**TO PURCHASE A COPY, PLEASE EMAIL
FMVAPUBLICATIONS@GMAIL.COM**

Quintin Wight of the Micromounters' Hall of Fame Inducts Bob Housley and Thomas Mortimer

by Dave MacLean, past president

Quintin Wight, Hall of Fame coordinator inducted Bob Housley at California Institute of Technology and Thomas Mortimer from Amherst, MA into the Micromounters' HOF at the October 8th meeting of the Baltimore Mineral Society BMS micro mineral conference in North Baltimore, Maryland.

Quintin Wight said that there are 84 members from nine countries in the Micromounters Hall of Fame: 28 still living. He said these persons are the "heroes of micromounting" who served others in our craft such as taking others on field trips, giving talks on micro minerals, and mentoring others in our craft.

Bob Housley described the micros of copper, lead, chromium, and other element tellurates found in mines, abandoned since the 1940's, in Otto Mountain, California near the border with Arizona.

Thomas Mortimer, A photomicrographer, described his work to document and publicize the minerals of New Hampshire. He developed a database and publicly accessible portable display of New Hampshire micro minerals

Persons selected for induction in 2023 include Raman S. DeMark, cofounder of the New Mexico Mineral Society and Martin Stolworthy, Norfolk, England noteworthy for supporting the work of others in the British Micromount Society.

66th Annual Paul Desautels Memorial Micromount Symposium Oct 7-8, 2022

by Steve Stuart, editor CMMA

The 66th Annual Paul Desautels Memorial Micromount Symposium convened on October 7-8, 2022, at the Friends School of Baltimore on North Charles Street, using their dining room. After two years of Zoom symposia, it was good to be back in person and live for the first time since October of 2019. The atmosphere sparkled and crackled with enthusiasm as attendees rekindled personal connections after two years of thumbnail photos on a screen!

The Symposium started on Friday evening, October 7th at about 7:00 pm, although attendees showed up earlier to set up tables and electrical connections. The first hour was spent filling up the giveaway tables and setting up sales tables for the four vendors: Don Smoley, Jim Daly, Al Pribula and Jim Glen. Don had his impressive array of micromineral specimens from Bob Rothenberg, other micromounters and his own stock. Jim Daly brought a wooden cabinet filled with micromounts from Art Smith, including lots of rarities from Magnet Cove, Arkansas. Al Pribula's tables were full of gold, diamonds, fluorites, any many other species, along with micromounting supplies. Jim Glen was dispersing some of the micromount inventory accumulated by the Canadian Micro Mineral Association. Volume 56-10 Page 10 of 21 Oct 2022. The next hour plus included three short presentations by symposium attendees.

First up was Kathy Hrechka, who talked about her recent trip to the Crater of Diamonds State Park in Arkansas. She provided a lot of information on the geology, history, and major finds over the decades that the mine and collection site have been in operation. We were all waiting for exquisite photos of what she had found during her visit. But alas, at the end of her talk, she informed the audience that she did not find anything herself but showed us a photo of a yellow diamond she collected with her "silver pick" from a local dealer. Still an enjoyable and informative presentation!

Quintin Wight followed with short biographies of the 24 living members of the Micromounters' Hall of Fame, soon to be 26 after Saturday's ceremonies.

The last short talk of the evening was by Steve Stuart who shared photographs of some of his findings from the three previous symposia he had attended in 2022. These were the Leidy Microscopical Society Symposium in March, the CMMA Symposium at Brock University in May, and the Central US Micromineral Symposium in September in Danville, Kentucky. All three presentations were "Zoomed" to virtual attendees from the US, Canada, Europe, and Australia. The hybrid session succeeded in broadening the Symposium audience globally. Of course, before and after the scheduled talks, there was microscope time, comradery and sales going on. The evening sessions ended shortly before 10:00 pm. On Saturday morning, October 8th, the Symposium reconvened at 9:00 am. Scheduled events included a silent auction, voice auction, hybrid Zoom session moderated by Quintin Wight in Canada for the induction of two new members into the Micromounters' Hall of Fame.

Micromounters' Hall of Fame 2022

Dr. Robert Housley:

“Dr. Robert (Bob) Housley is a solid-state physicist by profession, and an experimental mineralogist by preference. Both his professional and retirement careers have given him access to the instruments required for research, and he has used them to great advantage in helping him discover and describe many new minerals, one of which, housleyite, a lead copper tellurate, was named in his honor. As a researcher and author, he has contributed to over 40 publications describing new minerals or redefining existing species.



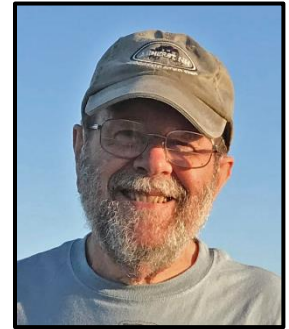
Although his passion for mineral collecting began at a very early age, Dr. Housley did not indulge in micromounting until he began attending the meetings of the Southern California Micro-Mineralogists in the 1990s and came into contact with some of the most talented and knowledgeable micromounters in America. Since then, Dr. Housley's significant contribution to micromounting has been through specimen identification and speaking engagements with micromount clubs in Southern California. He has presented numerous talks highlighting mineral discoveries and educating the collecting community on mineral analysis techniques, including his recent favorite, Raman spectroscopy. As an experienced collector himself, he has also been an indefatigable leader of field trips for the clubs. during which his infectious enthusiasm in the search for specimens has inspired others to look carefully and look small.

Dr. Housley's service to micromounting and micromounters has earned him a distinguished place in the Micromounter's Hall of Fame”.

BMS: Paul Desautels Symposium

Thomas (Tom) Mortimer:

“Tom Mortimer has distinguished himself both in service to micromounting and in service to mineralogy. On the mineralogy side, he has created a library of over 3,000 mineral photographs, often with accompanying energy dispersive spectrometry (EDS) analyses, of more than 334 minerals from New Hampshire. It is a valuable research resource that he has made available to everyone via his mindatnh.org site. The site has been responsible for first reporting of many species new to the state of New Hampshire



In micromounting, Tom has been the invited speaker for a number of New England mineral clubs over the past fifteen years. He has also spoken at the Rochester Mineral Symposium and the Maine Mineral Symposium. His skill in photomicrography is well known, and his friendly nature and ready accessibility have aided him greatly in passing that skill to others. In addition, his capability in EDS analysis has enabled him to cooperate with others at Boston College in examining more than 600 mineral specimens brought to him by fellow micromounters in the New England area. His knowledge as an electrical engineer has enabled him to create a physical display electronically coupled to his photographs, so that pictures on screen can be associated with a specimen illuminated in the display. It is a comprehensive, interactive, display to preserve confirmed examples mineral species to be found in New Hampshire. The display is a permanent exhibit in a public museum in the state's capital. As the majority of the display specimens are micro-minerals, Tom's display affords the public a unique opportunity to explore the micromounting hobby.

Tom Mortimer has worked hard to educate himself and others. He is a welcome member in the Micromounters' Hall of Fame”.

Adapted from Micro News, Canadian Micro Mineral Association, Inc. Vol. 56, No. 10, October 2022 p.9 Editor, Steve Stuart

Micromineralogists of the National Capital Area, Inc.

Friends of Mineralogy – Pennsylvania Chapter Symposium on Pennsylvania Mineralogy & Geology Nov 12-13 '22

IN PERSON and ONLINE

Location: Bright Side Opportunities Center
15 Hershey Avenue, Lancaster, PA 17603

All interested mineral collectors are invited to register and attend. As usual, a few invited mineral dealers will be present, and there will be a silent auction, give-away table, refreshments, and plenty of opportunities for visiting with fellow enthusiasts. Lunch is available at restaurants within short driving distance, and there is adequate parking.

On Sunday, a field trip for those registered for the symposium will be able to mineral collect at National Limestone Quarry's Mount Pleasant Mills, PA, location. The field trip is open only for the symposium registrants. Safety equipment will be required.

<https://www.rasloto.com/FM/>

Saturday, November 12 speakers:

***William Kochanov**, PG, Pennsylvania Geological Survey, retired: "Reconnaissance of mineral collecting sites in Southeastern Pennsylvania"

***Stephen R. Lindberg**, University of Pittsburgh at Johnstown: "Geology of the New Paris Limestone Quarry, Napier Township, Bedford County, PA"

***Ronald A. Sloto**, PG, West Chester University: "Classic Mineral Localities of Bucks County, PA"

***Bill Stephens**, PG, Stephens Environmental: "Report on Re-opening the Mount Pleasant Mills, Snyder Co., Pennsylvania, Wavellite Occurrence"

Sunday, November 13 collecting trip to National Limestone Quarry at Mount Pleasant Mills, PA

Registration: \$25/person for non-members (or join for 2023 and get the member rate), \$15/person for current FM-Pa members; free for college students; free for younger students. Parents must provide supervision of minors.

Register in advance, online or by mail; a form is available on the web site. Professional Geologists: Five Professional Development hour credits for full lecture attendance.

Contact: e-mail: <bstephens@stephensenv.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:

William Kochanov, PG	Stephen R. Lindberg	Ronald A. Sloto, PG	Bill Stephens, PG	and...
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**

Micromineral News from Australia

by Kathy Hrechka

Sign up for the next Micromount Club Meeting
November 17, 2022 @ 2pm ET (verify time)
Speaker: Paul Brandes “Minerals Keweenaw, MI”

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. Join the November 17 meeting.



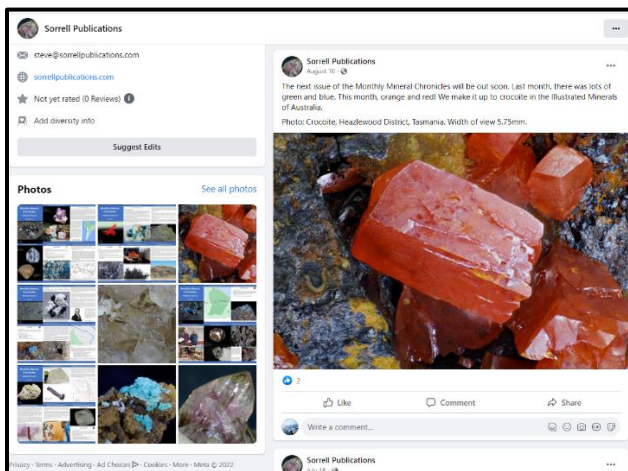
Register for these and other future Zoom sessions here: <https://crocoite.com/index.php/2021/07/the-micromount-club-zoom-sessions/>

steve@sorrellpublications.com

MNCA Editor’s note: thanks to Steve, 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.

The Micromount Club Facebook group presentations are available through the following link:

<https://www.youtube.com/playlist?list=PLwdOHcjmducFKcDw8d2qgAoEEEB0M7vht>



Screenshot of Steve’s website newsletters, K. Hrechka

Mineral Talks Live November 2 recap

“Program speaker: Ghulam Mustafa, owner of Fine Art Minerals is based in Peshawar, Pakistan, and has been serving customers in the mineral world for many decades and are proud to now have a presence in Mineral Shows all over the world. Fine Art Minerals started 50 years ago when the well-known dealer and collector Herb Obodda went to Afghanistan and Pakistan and met, Ghulam’s father, founder of Fine Art Minerals and the rest if part of the mineralogical history.

Ghulam Mustafa- ‘for me my Love and passion is unlimited for Minerals and Crystals, and I am here and will stay till I die purely for its love and passion, and I want to pass them in same way to future generation of young mineral dealers and collectors by providing them the best possible very fine Quality minerals and crystals.’”



Aquamarine & Morganite Pakistan Ghulam Mustafa



Aquamarine, Pakistan - naturally occurring

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

**Northern Virginia Mineral Club Show
November 19-20, 2022, at GMU**

by Tom Taaffe, Show Chair

After missing a couple of years due to the coronavirus pandemic, the NVMC is bringing back our annual gem, mineral, and fossil show at George Mason University.

The show will be on November 19-20, 2022, in Dewberry Hall, Johnson Center Building, George Mason University (GMU), Fairfax, Virginia.

Set-up is on November 18.

Show hours:

Nov 19 Saturday: 10 a.m. to 6 p.m.

Nov 20 Sunday: 10 a.m. to 4 p.m.

Volunteers are needed for set up, ticket table, kids "Mini Mines, auction, door prize announcer, etc.

Show chair: Contact Tom Taaffe

rockellctr@gmail.com

MNCA Micromounter Demonstration

If any MNCA members are available to volunteer at our demonstration table, please contact Dave Fryauff.

fryauffdj@gmail.com



Adapted from The Mineral News, Northern Virginia Mineral Club's newsletter, September 2022



**30th Annual
GEM, MINERAL
AND FOSSIL SHOW**

Presented by The Northern Virginia Mineral Club, Inc. www.novamineralclub.org
Sponsored by the Dept. of Atmospheric, Oceanic and Earth Sciences at GMU

Date: November 19 & 20, 2022

Place: Dewberry Hall, Johnson Center
George Mason University Campus
GPS: 4400 University Dr, Fairfax, VA 22030

Hours: Saturday 10am-6pm, Sunday 10am-4pm

Admission: Adults: \$6, Seniors: \$4, Teens (13-17): \$3
Children 12 & under & Scouts in uniform are FREE
GMU Students & Faculty w/valid ID are FREE.

\$1 OFF
Adult admission
with this card
(applies to all adults
+ seniors in your
group)

Demonstrations, Exhibits, Kids Activities, and Door Prizes.
Mini-mines for children to dig in and get free fossils and minerals.
Approximately 20 Dealers with Gems, Minerals and Fossils for sale.

Use parking Lot A, enter Lot A where adjacent to the Johnson Center
Look for our Courtesy Shuttle & Designated Walking Path to Mineral Show

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.

2022 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! Matt Charsky Arlington, Virginia was voted as 1st Vice President of the American Federation, representing the EFMLS.

University of Arizona Alfie Norville Gem and Mineral Museum at the Historic Pima County Courthouse, Is Now Open!

by S. Kaminski, Mineralogical Society of Arizona

A new gem, and mineral museum has opened in Tucson, Arizona. The University of Arizona Alfie Norville Gem & Mineral Museum (UAANGMM) is located within the historic Pima County Courthouse, an iconic and historic building of magnificent Spanish Revival architecture in the heart of Tucson

*Full article published in the AFMS News Sept 2021



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](#)



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:

November 2022

2: Mineralogical Society of the District of Columbia

MSDC 7:30 Zoom

www.mineralogicalsocietyofdc.org

14: The Gem, Lapidary and Mineral Society of Montgomery County, Maryland - GLMSMC

7:30 pm www.glmsmc.com

?: The Gem, Lapidary and Mineral Society of Washington, DC - GLMS-DC meeting

www.glimsdc.org

16: Baltimore Mineral Society

www.baltimoremineralsociety.org

21: Micromineralogists of the National Capital Area, Inc. - MNCA 3-5:30pm - Kings Park Library,

9000 Burke Lake Road, Burke, VA 22015-1683

www.dcmicrominerals.org

28: Northern VA Mineral Club – NVMC meeting

7:00pm

www.novamineralclub.org

Micromineralogists of the National Capital Area, Inc.



GeoWord of the Day and its definition:

ahelyite (a-hey'-lite) A pale blue-green triclinic mineral: $(\text{Fe}^{2+}, \text{Zn})\text{Al}_6(\text{PO}_4)_4(\text{OH})_8 \cdot 4\text{H}_2\text{O}$. It is the ferrous analogue of *turquoise*.

francevillite (france'-vil-lite) A yellow, green, or orange orthorhombic secondary mineral: $(\text{Ba}, \text{Pb})(\text{UO}_2)_2(\text{V}_2\text{O}_8) \cdot 5\text{H}_2\text{O}$. It is the barium analogue of curienite.

likasite (li-kas'-ite) A sky-blue orthorhombic mineral: $\text{Cu}_3(\text{NO}_3)(\text{OH})_5 \cdot 2\text{H}_2\text{O}$.

novgorodovait A vitreous colorless monoclinic oxalate mineral: $\text{Ca}_2 \text{C}_2\text{O}_4 \text{C}_{12} \cdot 2\text{H}_2\text{O}$.

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

GeoWord of the Day is brought to you by: EnviroTech!
envirotechonline.comwordoftheday@agiweb.org

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 Demonstration at local clubs:



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 our permanent meeting place.

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 2022

\$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

*Thomas Hale

*Steve Stuart

*Dave MacLean

