Micromineralogists of the National Capital Area, Inc.

MNCA Website www.dcmicrominerals.org

The Mineral Mite

Vol. 55 – No. 7 Washington D.C. – A Journal for Micromineralogists Sept 2022

Sept. 28 Time: 3-6pm Kings Park Library in Burke, VA

Program: Micromineral Study of George Reimherr's Micros

by Jeff Guerber, Vice President

Our meeting will consist of the disposition of George Reimherr's micro minerals. Details are found on page 2, written, and directed by Bob Cooke. Bring anything else to share. We will be meeting at the Kings Park Library conference room.
9000 Burke Lake Road
Burke, VA 22015

Mystery Micro Mineral of the Month

Clue: Leesburg, Loudoun Co., VA. FOV = 5 mm.
by Pete Chin, Honolulu, Hawaii
You may check your answer on page 2.

President's Message:

by David Fryauff

My message for this month begins with a large box of mixed New Mexico minerals that Patrick Haynes sent to us (micromounters of ther MNCA) back in March 2022. Patrick sent two boxes: one for the Future Rockhounds of America Group and their mentor, Mark Dahlman. the other box for our MNCA micromount group. Even though Patrick lives out in Socorro Co., NM, he was once a long-time resident of the DMV, and has a special love, I think, for our micro group.

The box Mark Dahlman gave me at the May 2022 meeting of our Gem, Lapidary, & Mineral Society (Montgomery Co., MD) was the largest of the USPS flat rate boxes....no weight limit!!!! It was so heavy that I needed help getting it out to my car, and then, once I got it home, I let it sit for weeks. Finally, when I did open that groaning, overstuffed box, pounds, and pounds of quartz/barite/fluorite/galena spilled out...mostly big pieces.... all from the Mex-Tex mine in Bingham, Socorro Co., NM. Patrick also sent a small zip-lock bag containing minerals from the storied Kelly Mine in the Magdalena Mining District of Socorro County. All backyard stuff for Patrick, but exciting exotics for our east coast MNCA group.

Thanks to that big box of rocks, Patrick got me back into micromounting again. I could not let such a good deed go unanswered, so I put together a box of east coast minerals. Patrick said he had never had the chance to collect at the Rockville Hunting Hill Quarry and had only made a single visit to the Haines-Kibblehouse Penn/Md quarries. continued next page

President's Message continued

These serpentinite quarries produce some of the most interesting minerals in our area, and I tried to give Patrick a selection worthy of his time and standing in the mineral community.

I also sent Patrick a little bag with 7 tubes of unknowns, hoping that he could (again) help me out with XRD analyses. The most recent email I received back from Patrick tells me that that big box of Mex-Tex quartz-galena-barite was really intended for the Future Rockhounds of America group....and that it was the other, smaller box that was intended for us micromounters. Oh Well. No harm done. In fact, by giving the choicest Socorro mineral specimens to Mark Dahlman's budding young rockhounds and geologists, this could possibly change a young life and generate a new and unexpected passion for microminerals. Besides, we already have our MNCA members focused in this month's September meeting on some of the choicest remnants of George Reimherr's micromount collection. But for those who may be curious to know what Kelly Mine micros look like, I have attached a few photos of specimens Patrick Haynes collected and sent "our way"

***Smithsonite & Rosasite**, Kelly Mine, Socorro Co., New Mexico: collected & donated by Pat Haynes, photomicrography by David Fryauff*

Details Sept 28 meeting:

Bob Cooke is facilitating the initial distribution of micromounts from the George Reimherr collection. He states that recipients must be MNCA members in good standing, i.e., Michael Pabst must be able to certify that 2021 dues have been paid. Recipients must be physically present or represented by proxy. All distributed micromounts cost $2 each. Sequence of mineral selection will be determined by a random number assigned to each member. After everyone has one micromount, the sequence is repeated in reverse order. The cycle is then repeated until individuals no longer want to pay $2 per micromount.

Sept Mystery Micro Mineral of Month

by Pete Chin, Honolulu, Hawaii
Goosecreekite on prehnite with apophyllite. New Goosecreek Quarry, Leesburg, Loudoun Co., VA.

***Smithsonite rhombs with Calcite?** phantoms. Kelly Mine, Socorro Co., NM: collected & donated by Pat Haynes, photomicrography by David Fryauff*

***Barite,** Kelly Mine, Socorro Co., New Mexico*

Minutes of Previous Meeting 6.22.2022

by Dave Hennessey Secretary protem

The MNCA June 22, 2022, meeting was held from 3 -6 pm at Fairfax County's Kings Park Library. A short business meeting was called to order by President David Fryauff near the end of our time at the library. Discussion of the plan for disposition of the Reimherr collection was reconfirmed by the attendees. Disposition of the collection will occur at the September 2022 MNCA meeting in the manner discussed in the MNCA May newsletter.

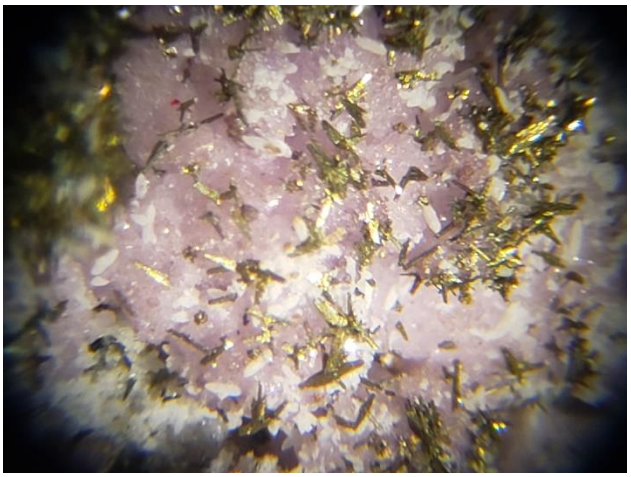
The location and time for the September 2022 MNCA meeting is not yet determined and will be dependent on the availability of an appropriate Fairfax County library facility. Announcement of location and time will be provided in The Mineral Mite prior to the September meeting. Between now and the September meeting the Reimherr collection is available for viewing at the home of MNCA Secretary Bob Cooke. Arrangements to visit and review the collection should be made with Bob. He can be reached at rdotcooke@gmail.com to arrange a visit.

Previous Program Reviewed 6.22.2022

by Dave Hennessey

With no formal program scheduled, attendees spent the majority of the meeting time visiting and reviewing specimens from the George Reimherr collection. Additionally, micromount specimens gifted from Georgia Olmstead were available for viewing and for attendees to add to their collection.

George Reimherr's Microminerals



Marcasite, Francon Quarry, Montreal, Canada
Dave Fryauff micro

Jeff Guerber

Dave Fryauff

Dave Hennessey

Erythrite

by Michael Pabst PhD, Treasurer

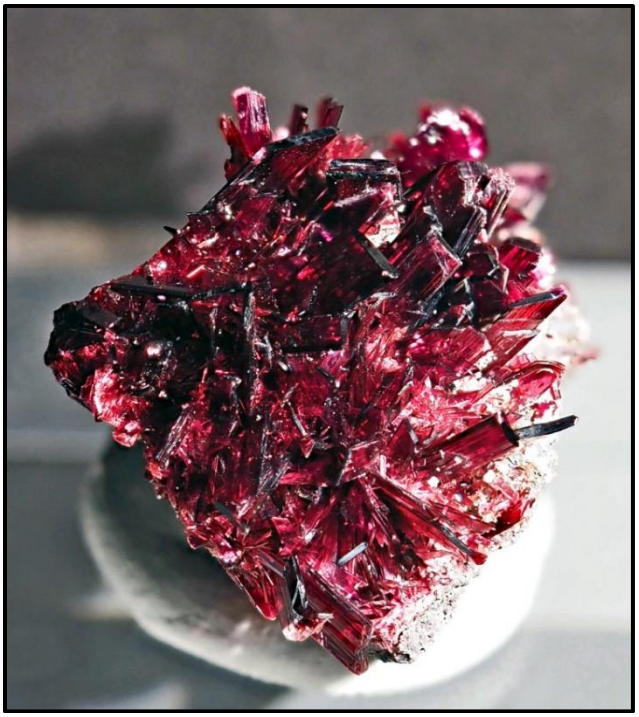
Nickel minerals were featured in our last few articles. I think that the most beautiful nickel mineral is apple green Annabergite, a nickel arsenate $Ni_3(AsO_4)_2 \cdot 8H_2O$. Cobalt is the element that precedes nickel in the Periodic table. The most beautiful cobalt mineral might be the corresponding purple cobalt arsenate, Erythrite $Co_3(AsO_4)_2 \cdot 8H_2O$. Named from the Greek έρυθρος "erythros" for "red". Erythrite and Annabergite have similar crystal structure as well as similar chemical composition. Both are members of the Vivianite Group, with Vivianite itself being the ferrous iron Fe^{2+} phosphate analog. Members of the Vivianite Group are all monoclinic 2/*m* – prismatic. For Erythrite β = 104.98° and for Annabergite β = 105.00°. These minerals are soft, with 1½ – 2½ Mohs hardness. They have perfect cleavage, and they are sectile (easily cut) and flexible in thin crystals. Both Erythrite and Annabergite are secondary minerals found in the oxidation zones of cobalt or nickel arsenide deposits.

Cobalt as Co^{2+} is a strong chromophore, so Erythrite has a deep purple color in larger crystals, and even the tiniest crystals have a beautiful pink-purple color. There is a series between Annabergite and Erythrite, but even small amounts of purple Co^{2+} will drown out the weaker green Ni^{2+}. So that you can appreciate the colors, here are links to photos in Mindat that show some beautiful Annabergite:
https://www.mindat.org/photo-134166.html
(photo by Jean-Marc Johannet) and
https://www.mindat.org/photo-193375.html
(photo by Fritz Schreiber).

Here is Annabergite with Co^{2+} dominating the color:
https://www.mindat.org/photo-144026.html
(photo by Stephan Wolfsried).

Finally, Erythrite, both small crystals:
https://www.mindat.org/photo-1048621.html
(photo by Volker Heck) and large crystals:
https://www.mindat.org/photo-244585.html
(photo by Dan Weinrich).
My photos of Erythrite in the next columns are not up to this standard of beauty from Mindat, but they should show some interesting specimens.

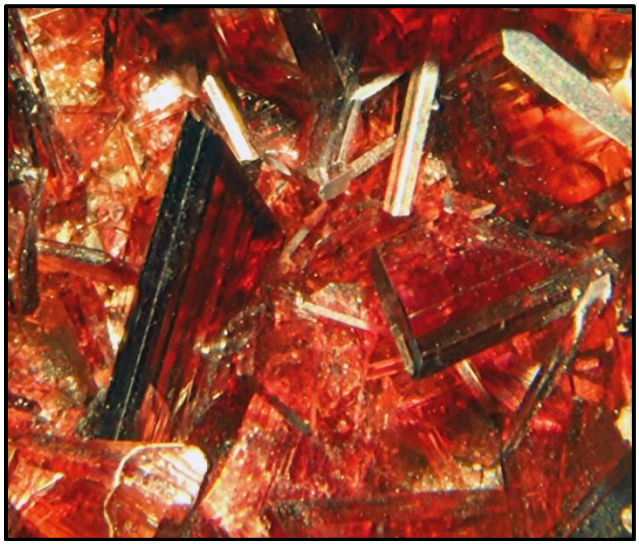
Here is a miniature specimen of Erythrite from Morocco, showing a nice deep purple color in daylight:



***Erythrite**, Bou Azzer Mine, Ouisselsate Caidat, Drâa-Tafilalet Region, Morocco. FOV 20 mm. Photo by Michael Pabst, using tripod and macro lens, stacking 18 images with CombineZP.*

***Erythrite** from Morocco. Closeup of specimen above. FOV 10 mm. Photo by Michael Pabst, using macro lens, stacking 150 images. Backlighting with halogen light makes some of the crystals look more reddish.*

Here are two photos from another specimen of Erythrite (my #82) from Bou Azzer:



Erythrite, *Bou Azzer, Morocco. FOV 4 mm. Photo by Michael Pabst, using stereomicroscope and halogen light, stacking 25 images. These are some of the larger crystals from a plate of crystals 56 x 34 mm.*

Erythrite*, Bou Azzer, Morocco. FOV 5 mm. Photo by Michael Pabst, using stereomicroscope and halogen light, stacking 26 images. The tiny pink gumdrops are unknown, perhaps a later generation of Erythrite?*

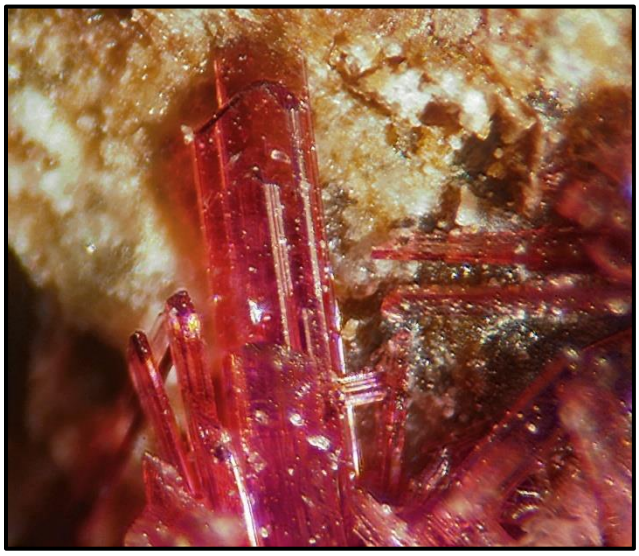
Next is a specimen of purple Erythrite surrounded by pink Roselite $Ca_2Co(AsO_4)_2 \cdot 2H_2O$, also from Bou Azzer. This is a beautiful micromount with an interesting historical label "C. Guillemin, Musee de Min de l'Ecole des Mines". Claude Guillemin (1923-1994) was professor and curator of the mineral museum at the School of Mines in Paris (one of the three great mineral museums in Paris). He was co-founder of the International Mineralogical Association (IMA). The mineral Guilleminite, a yellow uranium selenite $Ba(UO_2)_3(SeO_3)_2O_2 \cdot 3H_2O$, from Musonoi Mine, Kolwezi, DR Congo, was named after him.

Erythrite *and Roselite, Bou Azzer, Morocco. FOV 8 mm. Photo by Michael Pabst, using stereomicroscope, stacking 26 images. Ecole des Mines label.*

continued next page

Erythrite continued

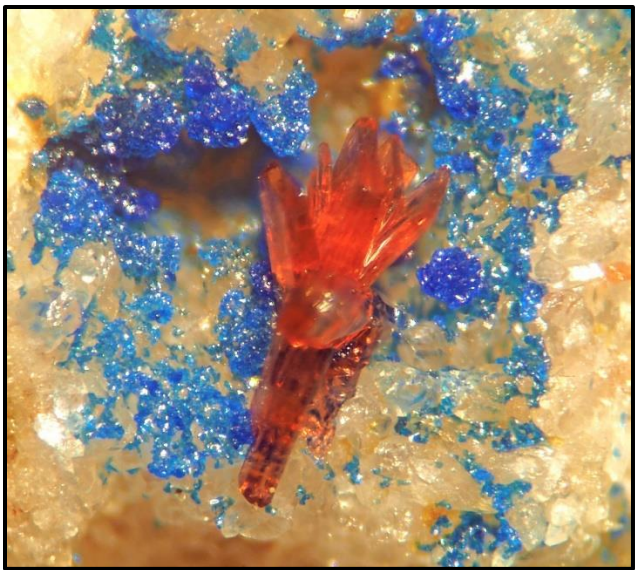
We have spent too much time in Morocco. Erythrite occurs in many localities all over the world. Here is a specimen from Germany that was sold at a recent Atlantic Micromounters Symposium auction:



***Erythrite**, Sophia Mine, Wittichen, Germany. FOV 3 mm. Photo by Michael Pabst, using stereomicroscope, stacking 3 images. Ron Donagi specimen.*

Comparing the photos, we can see that Erythrite looks more purple in daylight or dim light, but more reddish under intense incandescent light.

Most Erythrite localities have beautiful micro crystals like the one from Germany above. Sometimes Erythrite occurs as little pink puffballs. But I would like to conclude by showing you one of my favorite localities for Erythrite, which is Brixlegg in Tyrol, Austria, because here Erythrite occurs together with contrasting colors of green Tyrolite $Ca_2Cu_9(AsO_4)_4(CO_3)(OH)_8 \cdot 11H_2O$ and blue Azurite $Cu_3(CO_3)_2(OH)_2$.



***Erythrite with Azurite**, Silberberg, Brixlegg, Kufstein District, Tyrol, Austria. FOV 2 mm. Photo by Michael Pabst, using stereomicroscope, stacking 26 images.*

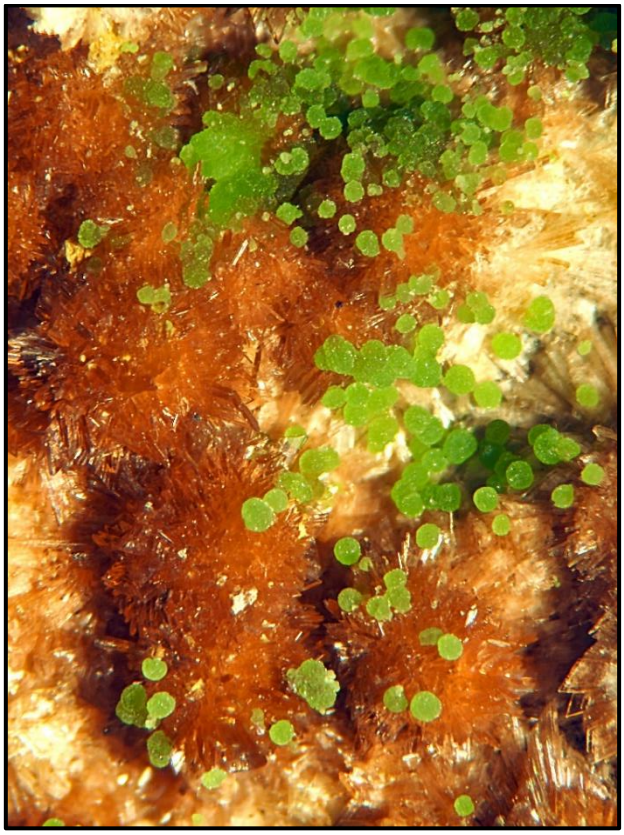
***Erythrite with Tyrolite** (green) and Azurite (small blue bowtie near center), St. Gertrudi, Brixlegg, Kufstein District, Tyrol, Austria. FOV 4 mm. Photo by Michael Pabst, using stereomicroscope, stacking 24 images.*

continued next page

Erythrite continued

Here is a link to an astonishingly beautiful photo by Matteo Chinellato of Tyrolite, Azurite and Erythrite from Silberberg, Brixlegg, Tyrol, Austria: https://www.mindat.org/photo-313143.html. Domenico Preite specimen.

Maybe just one more colorful specimen of Erythrite, this time with green Conichalcite $CaCu(AsO_4)(OH)$, that I recently acquired from Spain:



***Erythrite and Conichalcite**, Huércal-Overa, Almeria, Andalusia, Spain. FOV 5 mm. Photo by Michael Pabst, using stereomicroscope, stacking 26 images.*

We encountered Roselite, a calcium cobalt arsenate, in one of the photos above. Roselite will be featured in the next article.

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

by Mike Seeds, conference chair

Location: The Friends School of Baltimore
5114 North Charles St; Baltimore, MD 21210

Friday, October 7
7:00 PM Registration, Coffee, and Treats
8:00 PM Fellowship with other micromounters and informal programs given by participants

Saturday, October 8
9:00 AM Symposium Opens – Trading, Giveaway tables, Mineral sales, Silent Auction, and lots of free time!
10:00 AM Silent Auction
12 Noon Light Lunch (provided)
2:00 PM Voice Auction
3:00 PM Micromounters' Hall of Fame Induction conducted by Quintin Wight
Inductees: Robert Housley and Thomas Mortimer
Presentation by Robert Housley
5:00 PM Dinner (at local restaurants on your own)
7:30 PM Presentation by Thomas Mortimer:
"A New Hampshire Mineral Species Collection"
9:00 PM Symposium Closes

Registrations will be accepted by mail or will be taken at the door either Friday night or Saturday morning. $30.00 in advance or $35.00 at the door (includes dessert on Friday evening and light lunch on Saturday). Dinner will be on your own at local restaurants both Friday and Saturday evenings.

Short informal digital (PowerPoint) programs are welcome on Friday night. We request that you notify the Chair in advance of the content of your program. Programs should not exceed 20 minutes. A digital projector and laptop will be available.

Micromount sales and mineral specimens of interest will be available. Small tools, boxes, loupes, and other items also will be available.
Contact Mike Seeds (<mseeds@fandm.edu>) for Sales and facilities ahead of time if you desire to sell any items at the Symposium.

Hall of Fame donations for Auction: contact Al Pribula (<apribula@towson.edu>)

Leidy Gets a Visit from Roy G. Biv

by Eric Brosius, editor of Rock Chatter

The June 2022, meeting of the Leidy Microscopical Society was a challenge for the membership when Treasurer, Don McAlarnen proposed homework for our group at the May meeting, when he suggested we bring in micromounts representative of the solar spectrum. We all took to heart our Society's motto, "Learning Never Ends" and hit the books to find out what elements are found in the solar spectrum and the minerals those elements can produce here on earth.

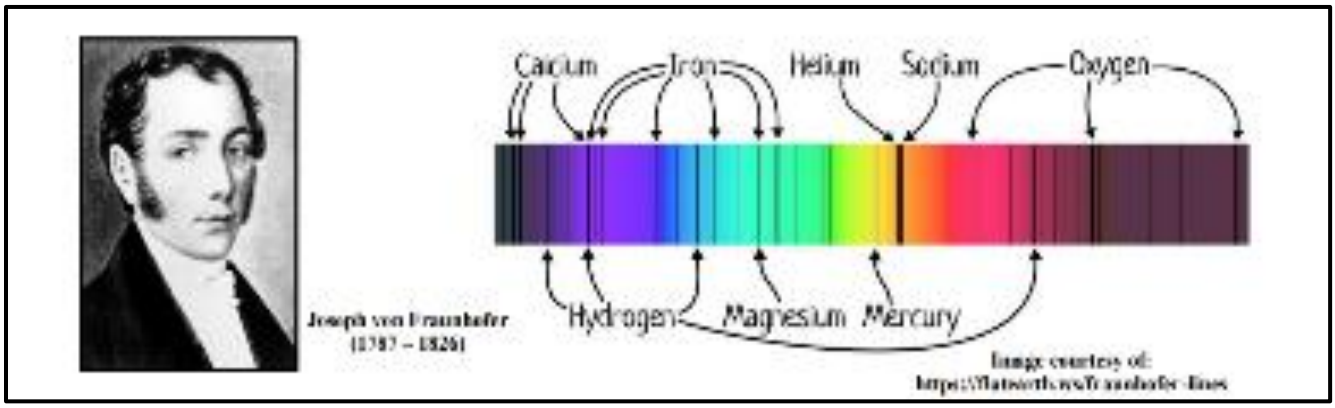
The solar spectrum is made up of electromagnetic radiation emitted by the sun in the form of energy over a wide range of wavelengths that is close to that of a black body with a temperature of about 5,800 Kelvin. The longer wavelengths have less energy and are representative of the infrared portion of the spectrum and the shorter wavelengths have more energy and are representative of the visible light and ultraviolet light portion of the spectrum.

In 1814, Joseph von Fraunhofer studied and measured dark lines in the solar spectrum. Much later it was recognized that the lines coincide with the emission lines in the spectra of heated elements. This allows us to determine the composition of the sun. From the Fraunhofer lines the most prominent elements of the solar spectrum include hydrogen, helium, sodium, magnesium, calcium, and iron. Less prominent but still abundant are oxygen, silicon, chromium, and nickel.

Image courtesy of:
https://flatearth.ws/fraunhofer-lines Joseph von Fraunhofer (1787 – 1826) Don McAlarnen explaining the solar spectrum and Fraunhofer lines. A partial grouping of samples of minerals that contain elements from the solar spectrum

Article adapted from ROCK AND MINERAL CLUB OF LOWER BUCKS COUNTY, PA, INC. Rock Chatter Vol. 56, No. 7

Don McAlarnen explaining the solar spectrum and Fraunhofer lines. A partial grouping of samples of minerals that contain elements from the solar spectrum.



Eternal Rest in Peace Lou D'Aonzo
August 19, 1922 – July 18, 2022

by Al Pribula, Baltimore Mineral Society

It is with great sadness that we report the death of Lou D'Alonzo. Lou passed away on July 18, just one month short of his 100th birthday. Lou was well-known to us in Baltimore because he attended all but one of our Desautels Micromount Symposia beginning in 1957. He was inducted into the Micromounters' Hall of Fame in 2015. His knowledge, generosity, and his good-natured and gentlemanly manner were known and respected far and wide, and he was responsible for bringing many people into the micromounting (and mineral-collecting in general) community.

Micromounters Hall of Fame Inducted in 2015

"Louis (Lou) D'Alonzo began his career as a micro-mounter at a time when the "greats" of the hobby, such as Neal Yedlin, Paul Seel, and Lou Perloff were still with us, and became his friends. He was among those in the small group that gathered for the first micromount symposium in Paul Desautels' Laboratory in Towson MD in the 1950's and has attended every session since. In the intervening 50-odd years Lou's contributions to micromounting have taken him outside the usual pattern for those elected to the Micromounters' Hall of Fame. While most inductees have worked on lectures or articles directed at established micromounters, Lou has concentrated on introducing others to the hobby. He has held micromounting classes for many years, often together with the late Will Shulman, another Hall of Fame member, and still spends a great deal of time visiting schools and groups to lecture to children and show them the wonders seen through the microscope.

In his micromounting activities Lou has become known for his generous attitude towards his fellows, and willingness to help and share whenever possible. His collection includes many samples of the work and collecting activity of those who have gone before, and Lou does not hesitate to share them with others where he sees the need. With his depth of experience in the hobby, years of working to bring micromounting to the attention of other collectors and the public, and proven generosity, Lou D'Alonzo has earned his place in the Micromounters' Hall of Fame."

Lou D'Alonzo, Baltimore Micromount Symposium

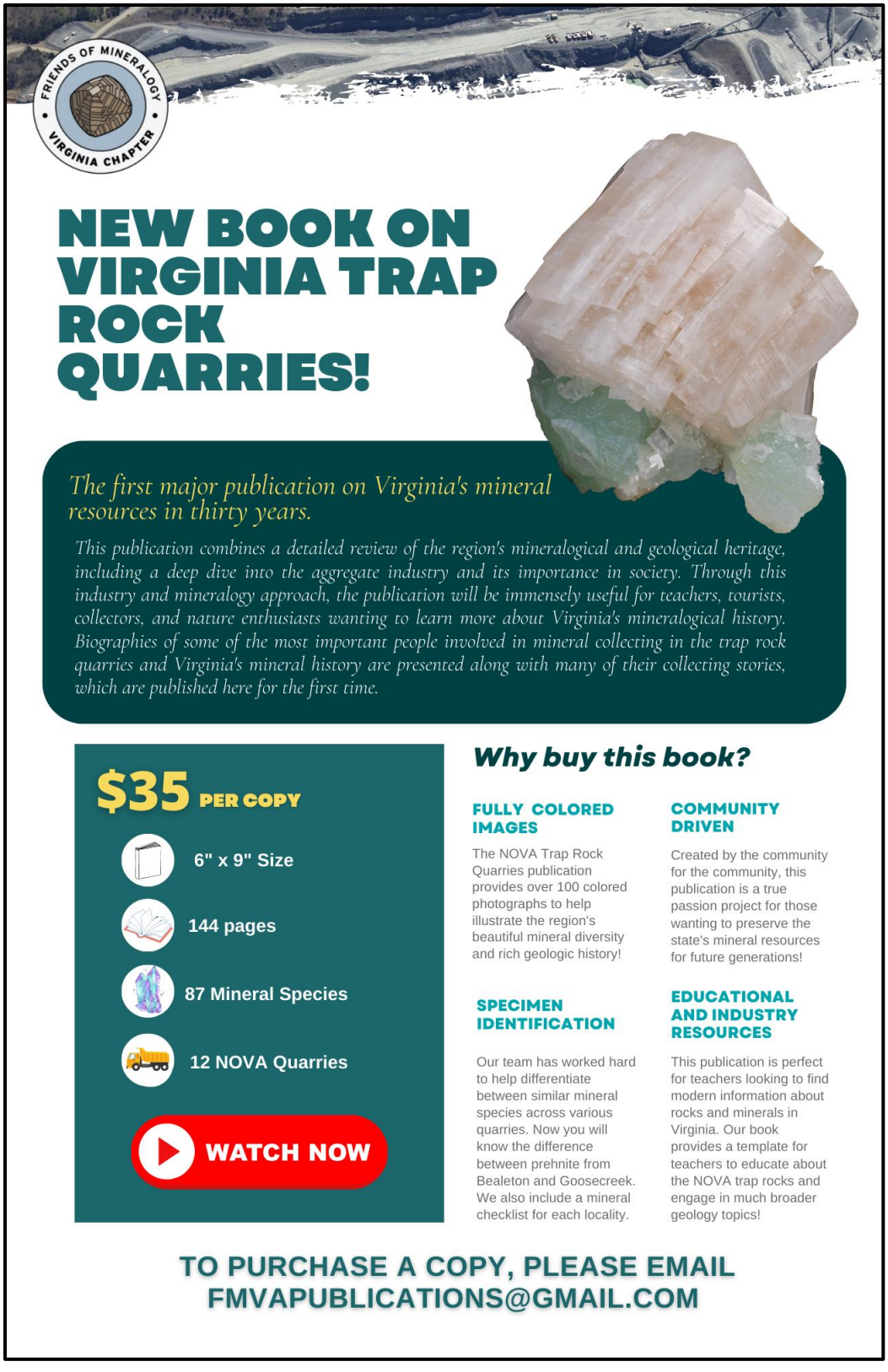
Obituary - SW Brown Funeral Home Nutley, NJ:
Louis D'Alonzo, 99, of Nutley, passed away Monday, July 18, 2022. Born in Italy, Louis was the son of the late Pasquale and Maria (Cilli) D'Alonzo. A graduate of Central High School in Newark, he later served his country for over three years in World War II as a member of the 102nd Infantry. Upon returning home he took a position with the Benedict-Miller Steel Co., where he was annually the company's top salesman. Following his retirement, he avidly pursued his many hobbies, which included his greatest passion, mineral collecting, particularly micromounts.

Lou's enthusiasm for micromounts was infectious and he helped introduce many new collectors into the field, which resulted in his induction into the Micromounting Hall of Fame in 2015. A resident of Nutley for over 50 years, he was known to almost everyone in town, always dressed in his standard Khaki pants, crisp white shirt, and bowtie. To some he will be remembered as the "lollipop" man because he often carried lollipops or candy in his pocket for the children. Others might know him as the "bug man," or "mineral man" because he often gave lectures on insects and minerals at the local elementary schools. Lou's generosity to all, his unbridled optimism, and his passion for life and learning, earned him friends across many generations, and he will be greatly missed by all who were blessed to know him. Lou is survived by his sister Helen Malec and many nieces and nephews.

Friends of Mineralogy Virginia Chapter FMVA

by Thomas Hale, President

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



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

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

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.

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>

The 54th Annual Gem, Mineral & Jewelry Show of the Shenandoah Valley Gem & Mineral Society (SVGMS) September 16 - 18, 2022

Location: The Augusta Expo, 277 Expo Road. Fishersville, Virginia
Fri. 2pm-6pm, Sat.10am-6 PM, Sun.11am-5pm

Admission: $4.00 for adults, $3.00 for Students & Seniors; Children ages 12 & under, Scouts & military in uniform admitted FREE! Tickets good for all three days of the show.

The SVGMS Gem & Mineral show is a Shenandoah Valley tradition. New vendors, educational demonstrations, and expanded space (BOTH exhibit halls at Expo!) will ensure attendees a great family outing while we are enjoying fall in the Shenandoah Valley. It features demonstrations of lapidary, rock cutting & polishing. Minerals, gems & hand-crafted jewelry offered for sale by 30+ vendors from the Shenandoah Valley & beyond, a "Gem mining" sluice.

Our friends from the Gem & Mineral Society of Lynchburg will be bringing their "Picker's Wheel" for everyone to give a spin and win a prize. Join sphere-making & cabochon-making demonstrations. Join a wire-wrapping demonstration/discussion. Meet The Friends of Mineralogy Virginia Chapter - a new resource for you to engage to further your study & enjoyment of Virginia minerals and those of the rest of the world. Door prizes contributed by our vendors & members - hourly drawings Saturday & Sunday!

Website http://www.shenandoahvalleyrockclub.org
The Shenandoah Valley Gem and Mineral Society is a nonprofit organization which strives to promote education in and appreciation of minerals, fossils, archaeology, general geology, and the lapidary arts. The show chairman is Scott Gregory. Contact him at 727-542-9723 or sgregory357@hotmail.com

Facebook event link:
https://fb.me/e/2UbCd3NtJ

Our first video on our new Shenandoah Valley Gem & Mineral Society YouTube channel:
https://youtu.be/l1NNCollOtM

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	U. Pittsburgh at Johnstown	West Chester Univ.	Stephens Environmental	
Reconnaissance of mineral collecting sites in Southeastern Pennsylvania	Geology of the New Paris Limestone Quarry, Napier Township, Bedford County, Pennsylvania	Classic Mineral Localities of Bucks County, Pennsylvania	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

Jim McGlasson presented "History of Mineral Nomenclature" on August 9, 2022. He gave an in-depth history of how / when minerals were named.

History of Mineral Nomenclature

- **Neolithic Age** – Flint & Jade Tools , Copper, Gold, Silver, Salt, Turquoise, Lazurite (Lapis)
- **Bronze Age** – Alloying Tin & Copper, Mercury, Iron-Nickel alloy (Meteorites)
- **Iron Age** – Bible [Exodus 28:16-20] List of 23 decorative stones; [Revelations 21:19-20] List of the precious stones that adorned the foundation of Soloman's Temple. Egypt using Natron for embalming, eye shadow from galena, malachite, stibnite, and azurite.

History of Mineral Nomenclature
René J. Haüy
Father of Crystallography

1743 - 1822

1801
5 Volumes

1822
2 Volumes

Jim McGlasson graduated from the New Mexico Institute of Mining and Technology with a BS degree in Geology and a minor in Mining Engineering in 1971, then went on to earn his master's degree in Geology from the Colorado School of Mines in 1976. Micromounts have become an important area for him. He generally has dealer space at the Tucson Show.

Sign up for the next Micromount Club Meeting
September 20, 2022 @ 4pm ET

Steve Sorrell resides in Melbourne, Australia and hosts various geology persons of interest at their micromount meeting every other Tuesday at 4pm (ET) on Zoom. You can sign up for Steve's programs, while enjoying friendly faces within our geology community around the globe. Join the September 20 meeting.
steve@sorrellpublications.com

MNCA Editor's note: thanks to Steve, we have been connecting with new mineral friends around the world for the past two years. I have learned that he is a master photomicrographer, as well as a publisher 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

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:

September 2022
7: Mineralogical Society of the District of Columbia MSDC 7:30 Zoom
www.mineralogicalsocietyofdc.org

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

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

21: Baltimore Mineral Society Zoom
www.baltimoremineralsociety.org

23-25: Eastern Federation Convention
Penn Harris Hotel, Camp Hill, PA 17011
(717-763-7117)

26: Northern VA Mineral Club – NVMC meeting
7:00pm
www.novamineralclub.org

28: Micromineralogists of the National Capital Area, Inc. - MNCA 3-6pm - Kings Park Library, 9000 Burke Lake Road, Burke, VA 22015-1683
www.dcmicrominerals.org

October2022
14-16: American Federation of Mineralogical Societies & SCFMS - New Orleans, Louisiana

GeoWord of the Day and its definition:

aheylite (a-hey'-lite) A pale blue-green triclinic mineral: $(Fe^{2+},Zn)Al_6(PO_4)_4(OH)_8 \cdot 4H_2O$. It is the ferrous analogue of *turquoise.*

francevillite (france'-vil-lite) A yellow, green, or orange orthorhombic secondary mineral: $(Ba,Pb)(UO_2)_2(V_2O_8) \cdot 5H_2O$. It is the barium analogue of curienite.

likasite (li-kas'-ite) A sky-blue orthorhombic mineral: $Cu_3(NO_3)(OH)_5 \cdot 2H_2O$.

novgorodovaite A vitreous colorless monoclinic oxalate mineral: $Ca_2\ C_2O_4Cl_2 \cdot 2H_2O$.

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.

OFFICIAL MINERAL COLLECTING FIELD TRIP Sept 24, 2022 9:00AM to 1:00PM

THE GEM AND MINERAL SOCIETY OF LYNCHBURG, VA INC. (HOST)

An official Field trip of the GLMSMC and Mineral Club

KYANITE MINING CORP. DILLWYN, VA. ANNUAL FIELD TRIP: WILLIS MOUNTAIN KYANITE MINE

(Office) 30 Willis Mt. Plant Lane. Dillwyn, Virginia 23936 If the mine is working, we may have to limit our collecting areas

Sign-up is required. (See contact info below) Please Signup via this Signup Genius Link (https://www.signupgenius.com/go/10C0D4DA5A82EA1F94-willis) , select "Agree to Waiver" under slot, and type "I agree to the waiver, etc.

Micromineralogists of the National Capital Area
www.dcmicrominerals.org
We are temporarily meeting at Kings Park Library in Burke, 3-6pm (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 Grueber
*Dave Hennessey
*Michael Pabst
*Bob Cooke
*Kathy Hrechka
*Al Pribula
*Mike Seeds
*Thomas Hale