



MNCA Website dcmicrominerals.org
The Mineral Mite



Vol. 51 – No. 9 **Washington D.C. – A Journal for Micromineralogists** **November 2018**

November 14 Time: 7:30 p.m. – 10 p.m.

Long Branch Nature Center, 625 S. Carlin Springs Rd. Arlington, VA 22204

**Program: C. Carter Rich
Micromount Workshop**

By David Fryauff, Vice President

Members will get a chance to collect micros from Carter's collection.



2019 MNCA Officer Election Notice

- *President – Dave MacLean
- *Vice-president – David Fryauff
- *Secretary – Bob Cooke
- *Treasurer – Michael Pabst

Photo of the Month



Fluorite posted on C. Carter Rich's "memory wall" of the Royston funeral home in Marshall, Virginia
C. Carter Rich Aug 14, 1935 – Sept 6, 2018.

President's Message:

By: Dave MacLean

I look forward again to demo microminerals and the wonders of minerals under a microscope. I never lose my fascination with looking at "small things". Thank you for signing up to run the micro demo table on Nov. 17 & 18 at the NVMC show.



David Fryauff, thank you for your slide talk on the mostly magnesiochromite district of Maryland and southeast Pennsylvania border. Little did I realize how small that area is and that this area provided the world's supply of chromium in the first half of the 19th century and was mined for chromium until the late 1890's.

Erich, thank you for inviting "Indiana Jones" to come and exhume up the Carter Rich micro collection which we will soon examine. Kathy, we all look forward to our 2019 Atlantic Micromounter's Conference to be held on April 5 - 6 in Alexandria.

Happy Thanksgiving



C. Carter Rich was an internationally known dealer in fine mineral specimens, which he sold to collectors all over the world. He was a resident of Aldie, Virginia at the time of passing. He was raised from an early age in Orange, VA and attended the Woodberry Forest School and Rensselaer Polytechnic Institute, from which he received his bachelor's degree in chemical engineering. Obituary on page 7.

Micromineralogists of the National Capital Area, Inc.

Previous Meeting Minutes: 10/24/18

By: Bob Cooke, Secretary

President Dave MacLean called the meeting to order at 7:40 PM.

Ten members were present: Gary Christmas, Bob Cooke, Dave Fryauff, Erich Grundel, Dennis Hedrick, Kathy Hrechka, Dave MacLean, Karen & Michael Pabst and Barry Remer. September minutes were approved as printed in the Mineral Mite.



Kathy stated the Atlantic Micromounters Conference will be on April 5th and 6th (Friday / Saturday). The featured speaker will be Robert J. Lauf. Venue will be the Holiday Inn in Alexandria.

Dave MacLean circulated a sign-up sheet for the MNCA demonstration booth at the NVMC Mineral Show on November 17/18.

Dave mentioned an article in the latest AFMS newsletter in which mineral clubs reported a vast increase in interest and membership following their establishment of a Facebook account. After group discussion, Kathy agreed to take the lead in establishing an MNCA Facebook account, with the assistance of Julia, webmaster.

Dave Fryauff announced a field trip on Saturday, December 1st to Vulcan Materials Quarry in Manassas. Collecting 8 AM to noon. Show up earlier for safety briefing. Normal safety equipment required (helmet, eye protection, vest, steel-toed boots, long pants). Children 10 years and older allowed if accompanied by parent. Liability release form required.

RSVP to Dave Fryauff at fryauffdj@gmail.com

Erich Grundel reported that "Indiana Jones" had conducted an archeological expedition in his home and discovered a treasure trove of micro mineral specimens which Carter Rich had donated to the club in 1985. Fives boxes of unmounted minerals in envelopes were found. Discussion on disposition of the minerals was inconclusive. Gary Christmas agreed to inventory the collection and report back at the next meeting.

Dave Fryauff agreed to acquire beverages as the MNCA contribution to the joint NVMC/MNCA Holiday Party on December 17th.

The next MNCA meeting will be November 14th. Meeting adjourned at 8:20 PM

Previous Program Reviewed: 10/24/18

By: Bob Cooke, Secretary

At the September meeting of MNCA, Dave Fryauff presented his program: Haines & Kibblehouse Penn-Maryland Materials Quarry, Fulton Township, State Line Chromite District, Lancaster County, Pennsylvania, USA. The quarry lies just north of the boundary of Maryland and Pennsylvania, north of Havre de Grace, at the mouth of the Susquehanna River, at the top of the Chesapeake Bay. Unlike most of the limestone/traprock quarries in the National Capital Area, this is a serpentine quarry, with some interesting minerals, like Mcguinnessite and Chromite. There are several similar quarries nearby, including the better-known Cedar Hill Quarry.

Here is the Mindat locality: www.mindat.org/loc-167699.html. The full name on Mindat is: Haines & Kibblehouse Penn-Maryland Materials Quarry, Fulton Township, State Line Chromite District, Lancaster County, Pennsylvania, USA.

Micros from Dave's program pp 2-3

Photomicrography by Michael Pabst



Black magnetite microcrystals on hexagonal prismatic magnesite crystals



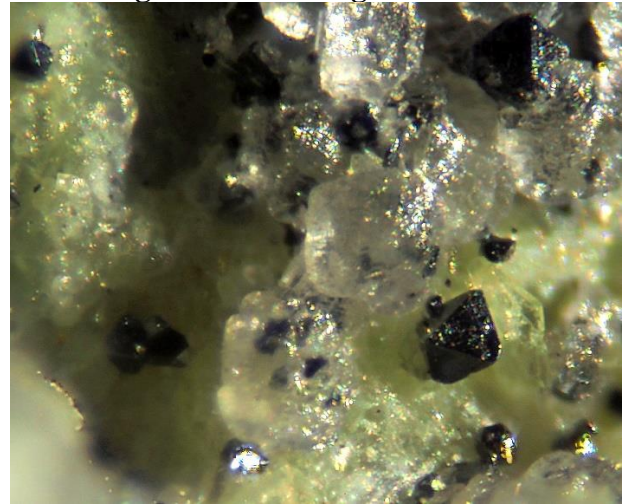
Prismatic hexagonal magnesite crystals



Octahedral magnetite crystal surrounded by black magnesiochromite grains



Prismatic hexagonal magnesite crystals



Magnetite crystal & quartz



Yellow -- green amorphous lizardite & thin hexagonal pyroaurite crystals



Hyaline opal?

Rhodochrosite – Santa Eulalia

By Michael Pabst PhD, Treasurer

In this fourth article on Rhodochrosite, we will look at Rhodochrosite from the Santa Eulalia District in Chihuahua, Mexico. Some Rhodochrosite crystals from Santa Eulalia look prismatic. Here are two examples from my collection.



Rhodochrosite, Santa Eulalia, Chihuahua, Mexico. FOV 5 mm. Stack of 20 photos taken with Olympus 60 mm macro lens, and Olympus OM-D E-5 Mark II camera

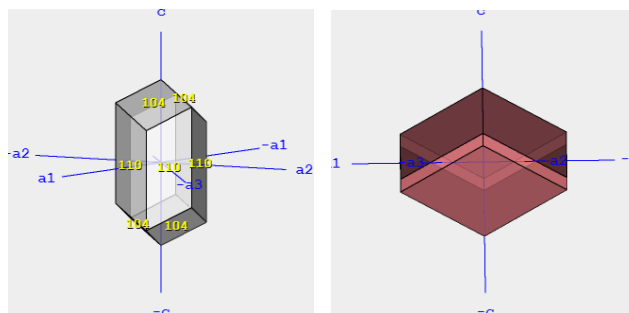


Rhodochrosite, Santa Eulalia, Chihuahua, Mexico. FOV 3 mm. Stack of 19 photos taken with the macro lens.

There is a nice photo of prismatic Rhodochrosite from Santa Eulalia on Mindat: www.mindat.org/photo-253488.html, taken by Enrico Bonacina. Here is another example of prismatic Rhodochrosite from Mineralien

Atlas: www.mineralatlas.eu/lexikon/index.php/MineralData?mineral=Rhodochrosit, and click on the third picture (image 1415187863), which is from Santa Eulalia. Similar prismatic Rhodochrosite is also found in Peru. Click on the fifth picture (image 1370188951) in the Mineralien Atlas link above, which is Rhodochrosite from Uchucchacua Mine, Oyon Province, Lima Department, Peru.

So, how does a prismatic crystal occur in the Trigonal System (specifically $\bar{3}m$ - Hexagonal Scalenohedral), to which all Rhodochrosite crystals belong? Look at the Rhodochrosite diagram below. You can see the three-fold axis-of-rotation about the c-axis (every 120° turn about the c-axis takes you back to the same view). There are also 3 mirror planes m parallel to the c-axis.

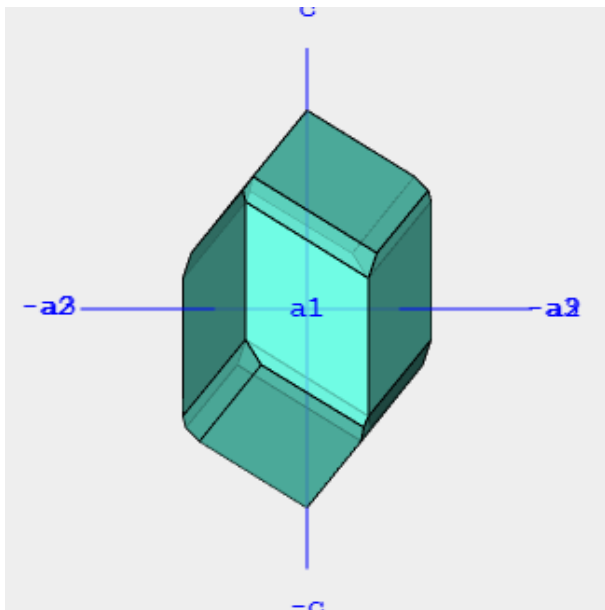
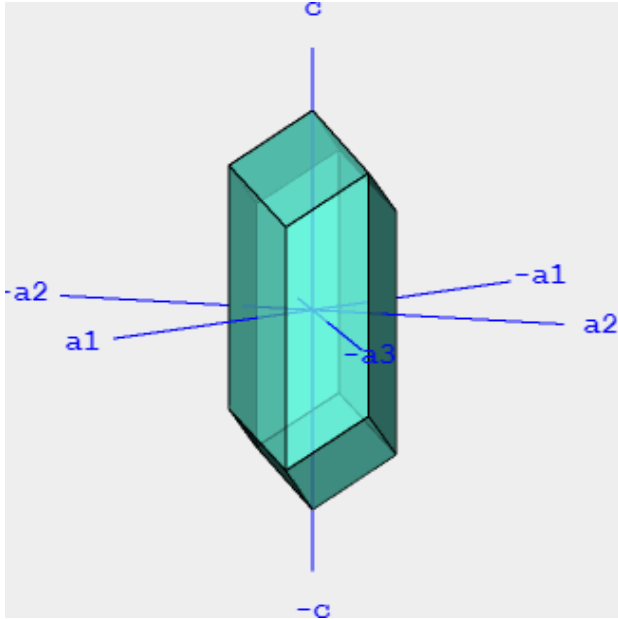


Rhodochrosite Kristall Nr. R066ao by Ulrich Baumgärtl in Mineralien Atlas (see link above). The second pink diagram is from V.M. Goldschmidt, Atlas der Krystallformen, shown on the same webpage, but slightly rotated with the tools provided.

Continued next page

Rhodochrosite continued

This prismatic trigonal form of Rhodochrosite is reminiscent of another prismatic trigonal mineral, Dioptase.



Dioptase. First, a typical more symmetrical crystal; and second, a less symmetrical crystal showing the true crystal symmetry. The two diagrams are from Goldschmidt, as shown on the Dioptase page of Mineralien Atlas:

www.mineralatlas.eu/lexikon/index.php/MineralData?mineral=Dioptas.

Dioptase is less symmetrical than Rhodochrosite because Dioptase lacks a mirror plane m parallel to the c -axis. [Rhodochrosite ($\bar{3}m$ – Hexagonal Scalenohedral) vs Dioptase ($\bar{3}$ – Rhombohedral)]. But the true symmetry of Dioptase might not be evident in some crystals like the first Dioptase figure. Rhodochrosite never shows the asymmetrical beveled edges shown in the second Dioptase figure. After all this analysis I hope I have convinced you that careful study of crystal forms can distinguish Rhodochrosite from Dioptase. Although some may find it easier to note that Rhodochrosite is red, and Dioptase is green!

Sometimes it is hard to tell which crystal forms are present in a specimen of Rhodochrosite. Look at the photo below of Rhodochrosite from Peru. There is a nice tetrahedral crystal of Tetrahedrite, some pentagonal Pyrite, a bit of Quartz, and lots of pink Rhodochrosite, perhaps several generations. I would not care to guess how many forms of Rhodochrosite are present. The Rhodochrosite on its own is not that impressive, but the combination of Rhodochrosite and Tetrahedrite is special.



Rhodochrosite and Tetrahedrite from Pachapaqui District, Bolognesi Province, Ancash Department, Peru. FOV 19 mm. Photo and specimen by Michael Pabst.

After four articles, Rhodochrosite and pink are becoming monotonous, so the next article will feature **black** manganese mineral

The United Nations Proclaims 2019 the International Year of the Periodic Table of Chemical Elements

*Adapted from the EFMLS October 2018 newsletter
via New York Mineralogical Club by Mitch Portnoy*

On 20 December 2017, during its 74th Plenary Meeting, the United Nations (UN) General Assembly 72nd Session has proclaimed 2019 as the International Year of the Periodic Table of Chemical Elements (IYPT 2019). In proclaiming an International Year focusing on the Periodic Table of Chemical Elements and its applications, the United Nations has recognized the importance of raising global awareness of how chemistry promotes sustainable development and provides solutions to global challenges in energy, education, agriculture and health. Indeed, the resolution was adopted as part of a more general Agenda item on Science and technology for development. This International Year will bring together many different stakeholders including UNESCO, scientific societies and unions, educational and research institutions, technology platforms, non-profit organizations and private sector partners to promote and celebrate the significance of the Periodic Table of Elements and its applications to society during 2019.

The development of the Periodic Table of the Elements is one of the most significant achievements in science and a uniting scientific concept, with broad implications in Astronomy, Chemistry, Geology, Physics, Biology and other natural sciences. The International Year of the Periodic Table of Chemical Elements in 2019 will coincide with the 150th anniversary of the discovery of the Periodic System by Dmitry Mendeleev in 1869. It is a unique tool enabling scientists to predict the appearance and properties of matter on Earth and in the Universe. Many chemical elements are crucial to enhance the value and performance of products necessary for humankind, our planet, and industrial endeavors. The four most recent elements (113, 115, 117 and 118) were fully added into the Periodic Table, with the approval of their names and symbols, on 28 November 2016.

The International Year of the Periodic Table of the Chemical Elements will coincide with the Centenary of IUPAC (IUPAC100). The events of IUPAC100 and of IYPT will enhance the understanding and appreciation of the Periodic Table and chemistry in general among the public. The 100th Anniversary of IUPAC will be on the UNESCO Calendar of Anniversaries on 28th July 2019.

“As the global organization that provides objective scientific expertise and develops the essential tools for the application and communication of chemical knowledge for the benefit of humankind, the International Union of Pure and Applied Chemistry is pleased and honored to make this announcement concerning the International Year of the Periodic Table of Chemical Elements” said IUPAC President, Professor Natalia Tarasova.

Chemical Elements play a vital role in our daily lives and are crucial for humankind and our planet, and for industry. The International Year of the Periodic Table of Chemical Elements will give an opportunity to show how they are central to linking cultural, economic and political aspects of the global society through a common language, whilst also celebrating the genesis and development of the periodic table over the last 150 years. It is critical that the brightest young minds continue to be attracted to chemistry and physics to ensure the next generation of scientists, engineers, and innovators in this field. Particular areas where the Periodic Table and its understanding have had a revolutionary impact are in nuclear medicine, the study of chemical elements and compounds in space and the prediction of novel materials.

The IYPT is endorsed by several international Scientific Unions and the International Council for Science (ICSU). The IYPT will be administered by an International Steering Committee in collaboration with the UNESCO International Basic Sciences Program and an International Secretariat, to start operating in early 2018. In addition to IUPAC, IYPT is supported by the International Union of Pure and Applied Physics (IUPAP), the European Chemical Sciences (EuChemS), the International Astronomical Union (IAU) and the International Union of History and Philosophy of Science and Technology (IUHPST). Communication



**INTERNATIONAL
YEAR OF THE
PERIODIC TABLE
2019**

Carter Rich Aug 14, 1935–Sept 6, 2018

Royston Funeral Home, Marshal, VA

C. Carter Rich, age 83, of Aldie, VA died on September 6, 2018 at Capital Caring Adler Center after a battle with Hodgkin's Lymphoma. He was an internationally known dealer in fine mineral specimens, which he sold to collectors all over the world. Carter was born on August 14, 1935 to the late Charles V. Rich, Jr. and Marie (Jill) Elizabeth Levenson Rich of White Plains, NY. He was raised from an early age in Orange, VA and attended the Woodberry Forest School and Rensselaer Polytechnic Institute, from which he received his bachelor's degree in Chemical Engineering. He subsequently earned a master's degree in Operations Research from the Pennsylvania State University and became a licensed professional engineer in the field of Mechanical Engineering while working in the aerospace and defense sector.

Carter was a longtime employee of General Electric Aerospace during a 38-year career in aerospace, starting as a rocket engineer in the Sputnik era, and progressing through spacecraft and ground systems related assignments of increasing responsibility with GE in Valley Forge, PA. He became known as an expert in the acquisition of new business, a skill which led to large increases in GE government contracts. Subsequently, he was General Manager of a GE Aerospace plant in San Jose, CA, although he never completely relinquished "hands-on" leadership of business acquisition and program management functions. Carter was a resident of Newtown Square, PA for 25 years and subsequently a resident of Palo Alto, CA and Aldie, VA. Upon retiring from General Electric in 1991, he turned his mineral collecting hobby into a retirement business, which he pursued avidly to the

benefit of a large coterie of customers. He was known for and specialized in the purchase and resale of mineral specimens from old collections and long closed localities. Although he purchased most specimens for resale, he always felt that he was a collector. As a personal statement, he assembled and retained a definitive collection of minerals from Delaware County, PA. He traveled widely to acquire and sell his minerals.

Carter was the beloved husband of 60 years of Mary Jean ("Poopsie") Ambrose Rich, loving and devoted father of Elizabeth (Peter) Lapiska of Wilmington, NC and Andrea (Patrick) Shearn of Chadds Ford, PA, proud grandfather of Derek (Brittany) Lapiska, Hunter (Julie) Lapiska, Connor Lapiska, Dylan Shearn and Jill Shearn, great-grandfather of Reagan and Piper. He was preceded in death by his son Charles Rich who died in 1987.

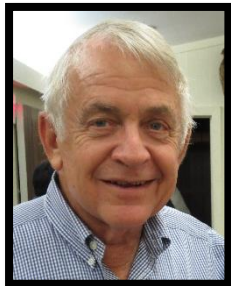


Fluorite posted on C. Carter Rich's "memory wall" of the Royston funeral home in Marshall, Virginia
C. Carter Rich Aug 14, 1935 – Sept 6, 2018.

REMEMBERING CARTER RICH

By George Loud, past Treasurer/Editor MNCA
Hilton Head Island, S.C.

Carter was a fanatic fan of the New York Giants. Mercifully, he is not around to witness their performance this year. At age 83 he died September 6, 2018 from Hodgkin's Lymphoma.



My mineral collection was built primarily by purchases from Carter Rich. Carter would call me at home or at work to tell me of the latest acquisitions he was offering for sale, often apologizing for tempting me. Many a Saturday morning I made the trek out to Aldie, VA. to go through the latest shipment he had received, to select purchases and to enjoy the hospitality of Jean, Carter's wife of many years. On occasion Carter would drop by my office for lunch, bringing with him one or more specimens he knew I could not resist. One of Carter's primary sources was the late Jim Minette in Boron, CA. Jim would purchase a California collection, keep a specimen or two and ship the remainder to Carter for retail sale. After Jim died, I noted a distinct decrease in the number of specimens Carter offered that were of interest to me. Of course, Carter had other sources including Dr. Steven Chamberlain of New York and Dr. Robert Jenkins of Newark, Delaware.

In more recent years, after retiring from the mineral business, Carter would call to offer me a Franklin, N.J. sphalerite from the collection of the late Gary Grenier, pretending to forget that he had offered it to me the previous month, and the month before that. The sphalerite was a great crystal, but Carter apparently had paid too much for it. Sent to a dealer in California for sale on commission, it came back unsold.

I once purchased a suite of Franklin, N.J. minerals, sight unseen, from Jim Minette, reasoning that I could not go wrong. Wrong! I don't know how anyone could possibly gather so many uninteresting specimens from Franklin, N.J. So, I decided to try to sell the stuff at the Goucher College show. Carter saw the material and was not happy that Jim had dealt

directly with me. After Carter spoke to Jim, Jim and I never again dealt directly with each other.

Carter was as honorable a gentleman as I have ever known. When in 2005 we sold our last home in Virginia, I panicked because I knew that the home we had purchased in South Carolina would not be able to hold the entire collection. At that point I decided to give my world-wide specimens to Carter to sell on commission. He did a great job for me and provided periodic accountings that were very detailed and impressive. However, after building an addition on our South Carolina home, I had a lot of seller's regret.

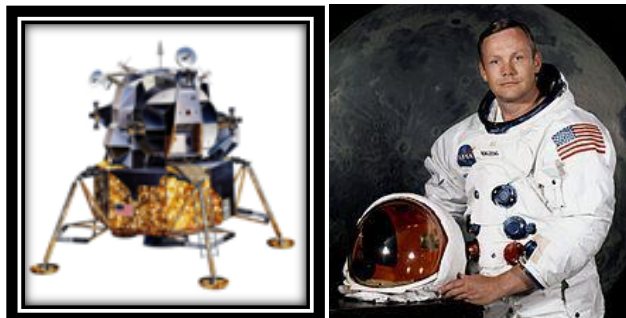
Carter and I both had undergraduate degrees in Chemical Engineering. Carter retired from a career in engineering in the employ of General Electric and then turned his mineral collecting hobby into a business, starting with dealing in microminerals. When he transitioned to macro minerals the Micromineralogists of the National Capital came into possession of most of his stock of micro specimens. My records reveal a significant number of purchases from Carter in 1993, so I had known him since at least that date. At that time, he had a collection of Pennsylvania specimens on display in the den of his Aldie, VA. home. I purchased his entire Pennsylvania collection with the exception of his Delaware County specimens which went elsewhere.

Carter retired from mineral dealing a number of years before his death and I mourned that retirement as a personal loss. According to Joe Dague, mineral dealer of Chambersburg, PA., recently Carter frequently telephoned him looking for Delaware County Minerals to rebuild his collection.

I greatly miss those Saturday morning trips to Aldie and I miss Carter's friendship. I wonder if Gary's sphalerite was buried with him.

"Geologists have a saying – Rocks Remember." - Neil Armstrong (1930 - 2012)

Adapted from *Rock Chatter* Vol. 52, No. 9
Rock and Mineral Club of Lower Bucks Co., PA



Geology Field Trips

Geology at Long Branch: December 1, 1–4 p.m.
(rain date: December 9), led by Joe Marx; members \$26, nonmembers \$36.

Arlington's Long Branch Nature Center overlooks a misnamed tributary of Four Mile Run. We will hike a mile or so along Long Branch and Four Mile Run, returning by the same route. A variety of rock units are exposed along the trail, including an undersea landslide frozen in time, long-vanished seaside flats, and the bottommost layer of the coastal plain. To add botanical icing to our geological cake, we will traverse an old-growth upland forest and a quicker changing floodplain forest.

Northern Virginia Mineral Club Show Nov 17-18

27th Annual GEM, MINERAL AND FOSSIL SHOW

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

Date: November 17 & 18, 2018
Place: The Hub Ballroom
George Mason University Campus
Braddock Rd. & Route 123, Fairfax, VA
Hours: Saturday 10am-6pm, Sunday 10am-4pm
Admission: Adults: \$6, Seniors: \$4, Teens (13-17): \$3
Children 12 & under, Scouts in uniform, and GMU Students w/valid ID are FREE.

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

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

Use Parking lot A, enter Lot A from Nottaway River Lane.
Look for our Courtesy Shuttle to Mineral Show



GeoWord of the Day and its definition:

crocydite (cro'-cyd-ite) A *Migmatite* with a flakelike or flufflike light-colored part (Dietrich and Mehnert, 1961). Rarely used. Var: *krokydite*.

microlinear (mi-cro-lin'-e-ar) "Any lineation that is invisible to the unaided eye" (El-Etr, 1976, p.485).

quartzine (quartz'-ine) Chalcedony characterized by fibers having a positive crystallographic elongation (parallel to the *c*-axis). Also spelled: quartzin.

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

Smithsonian Meteorite Gallery

By Kathy Hrechka, GGM volunteer

1987 Scientists – the solid dust grains that predate the solar system-from chondrite meteorites. This grain formed in the atmosphere of a red giant, a star in its final stages of life. The grain has a titanium carbide core and a graphite mantle.

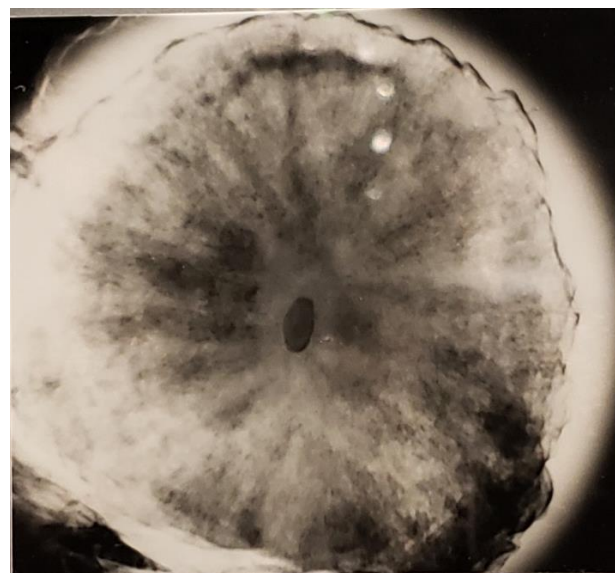


Photo courtesy Dr. Thomas Bernalowicz, WA Univ.

Micromineralogists of the National Capital Area, Inc.



**American Federation of
Mineralogical Societies**

(AFMS)
www.amfed.org

AFMS Purpose: 2018

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 other related subjects, and to sponsor and provide means of coordinating the work and efforts of all persons and groups interested therein; to sponsor and encourage the formation and international development of Societies and Regional Federations and by and through such means to strive toward greater international good will and fellowship.

The A.F.M.S. Newsletter is published monthly except January, July and August by the American Federation of Mineralogical Societies. Address corrections and changes Subscription Information, Distribution Questions: Each Regional Federation Club is entitled to receive three (3) copies of the AFMS Newsletter. These are usually sent to the President, Editor and Federation Director or Secretary.

Subscriptions are \$4.50 per year Remit payment to the AFMS Central Office Checks should be made payable to "AFMS"

Address maintenance and mailing labeling are the responsibility of the AFMS Central Office. All Central Office Steve Weinberger PO Box 302 Glyndon, MD 21071-0302

<central_office@amfed.org> 410-833-7926
Content – Letters Editorial Comments – Submissions
Any communication concerning the content or format of the newsletter should be sent to the Editor: Carolyn Weinberger PO Box 302 Glyndon, MD 21071-0302
<editor@amfed.org> 410-833-7926

Deadline is the 1st of each month preceding publication (i.e. April 1 for the May issue)
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**Eastern Federation of
Mineralogical and
Lapidary Societies**

(EFMLS)
www.amfed.org/efmls

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

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

Geology Events:

November

7: Mineralogical Society of DC meeting - MSDC
Smithsonian's Natural History Museum
Meet 7:30pm Constitution Ave entrance for guard
escort to Cathy Kerby room for meeting
www.mineralogicalsocietyofdc.org

**5: The Gem, Lapidary and Mineral Society of
Montgomery County, Maryland - GLMS-MC**
7:45 pm - Rockville Senior Center, Rockville, MD
www.glmsmc.com

12: Northern Virginia Mineral Club meet NVMC
7:30–10pm Long Branch Nature Center,
625 South Carlin Springs Road in Arlington, VA
www.novamineralclub.org

**14: Micromineralogists of the National Capital
Area. Inc. meeting – MNCA**
7:30–10pm Long Branch Nature Center, 625 South
Carlin Springs Road in Arlington, VA
www.dcmicrominerals.org

**16: The Gem, Lapidary and Mineral Society of
Washington, DC - GLMS-DC**
7:00 pm - Chevy Chase Community Center,
5601 Connecticut Ave., NW, Chevy Chase, MD
www.glmsdc.org

April 5-6, 2019 Atlantic Micromounters' Conference
Holiday Inn, Alexandria, VA
Speaker, Robert Lauf of Tennessee
Published author of Mineralogy of Uranium and Thorium
www.dcmicrominerals.org



Micromineralogists of the National Capital Area, Inc.

62nd Annual Paul Desautels Micromount Symposium Oct 19-21, 2018

By David J. Fryauff, Vice-president

The 62nd Annual Paul Desautels Micromount Symposium was organized by the Baltimore Mineral Society and held at The Friends School of Baltimore on October 19-21, 2018. The Friday evening session opened with informal presentations (20 min. Powerpoint shows). Dealer-participants Don Smoley and Al Pribula set out enticing selections of mineral specimens for sale, and virtually everyone attending brought surplus specimens for trade and giveaway.



The Saturday afternoon Micromounter's Hall of Fame induction ceremony posthumously recognized Phillip Foster (1892-1974) for his years of dedicated collecting and micromount preparation and reviewed his impressive collection of New England micromounts. Janet Clifford of Hudson, Ohio, a geologist by education, an avid mineral collector, author, and active volunteer in the Cleveland Museum of Natural History was also inducted into the Micromounter's Hall of Fame. The Saturday evening presentation, entitled "Aspects of Morphology of Quartz" was given by 2011 Hall of Famer, Dr. Pete Richards, a professional research geologist, mineralogist, collector, author, and photographer formerly with the University of Heidelberg, Tiffin, Ohio, and currently with the Cleveland Museum of Natural History.

The Sunday morning presentation "Micromounting and Science", was given by the venerable Quintin Wight. The quarry rock of Mont Sainte-Hilaire, in Quebec, has produced 65 mineral species new to science, 41 of which were found and reported by micromounters; quintinite. Sincere thanks to Mike Seeds, Carolyn and Steve Weinberger and to all the contributing members of the Baltimore Mineral Society for their outstanding efforts in organizing this symposium.

Micromineralogists of the National Capital Area

Meeting: The 4th Wed. of each month 7:30 -10 p.m.
Long Branch Nature Center (No meetings June & July)
625 S. Carlin Springs Road, Arlington VA 22204

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

Pres: Dave MacLean, dbmaclean@maclean-fogg.com
Vice Pres: David Fryauff, fryauffdj@gmail.com
Secretary: Bob Cooke, rdotcooke@gmail.com
Treasurer: Michael Pabst, Michaeljpabst@yahoo.com
Editor/Historian: Kathy Hrechka, kshrechka@msn.com
Website: Julia Hrechka, dcmicrominerals@gmail.com
Conference: Kathy Hrechka, kshrechka@msn.com

The society is a member of:

* Eastern Federation of Mineralogical and Lapidary Societies
(EFMLS) www.amfed.org/efmls

* American Federation of Mineralogical Societies
(AFMS) www.amfed.org Affiliation

Dues: MNCA Membership Dues for 2018
\$15 (single) or \$20 (family)

Payable to 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 5th of each month.

The Mineral Mite will be emailed on 10th.

No newsletter July/August

EFMLS Editor's Award

First Place 2016 - Small Bulletins

Inducted into Editor's Hall of Fame - 2018



Member inputs:

- * Dave MacLean
- * Michael Pabst
- * Bob Cooke
- * David Fryauff
- * George Loud
- * Kathy Hrechka

