



The purpose of the Gem, Lapidary, and Mineral Society of Montgomery County MD, Inc. is "to increase knowledge and popular interest in earth sciences, geology, mineralogy, paleontology, lapidary arts, and related subjects."

REGULAR MEETINGS

Dave Tiktinsky

Monday, October 12

Our **October** club meeting will get off to a lively start with our exciting Club Members' Auction! Everyone wins when you upgrade your collection by selling some pieces and someone else upgrades theirs by buying them. We will also be auctioning some items that have been donated to the club.

The meeting will start promptly at 7:30 PM. Note that this is 15 minutes earlier than usual.

Sellers, come early to help set up the room and your items. **Setup should be completed by 7:15 PM.** Bid slips, which you may copy if more are needed, are contained in this newsletter. Sellers, please also fill out an auction control form to identify all of your items up for auction. Please bring a guest or invite nonmembers.

Although only current 2015-16 club members are allowed to sell, the meeting and auction are open to all.

Auctioneers, accountants, and runners are volunteers. Please help by bringing small bills and bid early and often. We will be moving along very quickly. We need to be out of the room by 10 PM.

Auction Rules:

- We will start with a silent auction to help identify the pieces with the most interest. So look carefully and start bidding. Items with multiple bids during the silent auction will be brought sooner to the live auction.
- Winning bidders must pay for the item promptly with cash or check.
- Any member may offer up to 25 specimens or up to 4 flats for auction. Each flat is one item that can be auctioned.
- The member gets 100% of the purchase price.
- Anyone may donate items to the auction to fully benefit the club (no money goes back to the donor).
- The minimum bid is \$2 on any item.
- Bids from \$2 to \$20 increase by \$2.
- Bids above \$20 increase by \$5 (subject to auctioneers' discretion).

BOARD OF DIRECTORS MEETING

The next Board of Directors meeting is currently scheduled for Monday, October 19, 2015, at Holly McNeil's home.

PRESIDENT'S MESSAGE

Chris Luzier

The cool weather is upon us and daylight hours are getting shorter. Now is the perfect time for digging and I took that opportunity the last weekend of September by joining the group on our dig to Mount Pleasant Mills quarry in Pennsylvania. The leaves were just starting to change up in the mountains and the weather was delightful. We dug around the main section of the quarry as they had just done two recent blastings. There were some nice Calcite crystals and rich Fluorite found, but none of the elusive Strontianite. We did find two nice examples of Celestite crystals with Calcite, which is an uncommon species from this quarry. Next we drove up to the Wavellite exposures and dug there for the rest of the trip. Fossil Gastropods were encountered, along with many Wavellite examples of varying quality. It was just a wonderful way to spend a day. Keep an eye out for our schedule of upcoming trips as there are many left in the remaining season!

Another exciting upcoming event is our October meeting with our Club Members' Auction. It will be a night of fun and enjoyment as we bring in our own specimens that we would like to part with and bid on others we would like to replace them with! I have already started to go through flats of material and will have a nice selection of fluorescent specimens from Franklin, New Jersey, and its sister mine, Sterling Hill in nearby Ogdensburg. Please fill out your auction forms that were submitted to you via e-mail by our Vice President, Dave Tiktinsky. Thanks go to Dave for the planning and implementation of this wonderful event and we'll see you there.

We have a lot of work coming down the pike here with elections of new Board members and the upcoming show in March. As always we need your help with volunteering; helping out over the show weekend is the one responsibility we ask of all members. The other item I need to mention is that the earlier we have volunteers signed up on the sheets, the better we as a Board can plan on the activities, so that we have adequate staffing. It was down to the wire for last year's show and it looked like a few of our most popular events such as the cabochon cutting shop and the kids' activities were in danger of being cut. If we have plenty of sign-ups early, we can avoid the issue altogether. Thanks so much again as always for all your help and support with the show. As you know, we just cannot do it without you!

Peace to you—Chris Luzier

MESSAGE FROM OUR MEMBERSHIP CHAIR—SEPTEMBER IS A GREAT TIME TO PAY DUES, OCTOBER IS THE MONTH TO CATCH UP IF YOU MISSED OUT

Doug Baum

2014-2015 GLMSMC memberships expired on August 31, 2015, and new annual dues were due on September 1, 2015. Single membership is still \$15 per year. Family membership (defined as up to 2 adults and children under 18 years of age) is \$20 per year.

We pay dues for **EFMLS/AFMS** affiliations and over \$3 for insurance for each member over 10 years of age so it's very important when renewing to **LIST ONLY THOSE** who will be actively taking part in Society activities.

Please send dues (check or cash to GLMSMC):

Membership Chairman Doug Baum

11205 Golden Meadow Court

Germantown MD 20876-1740

[240-888-7485](tel:240-888-7485) or email dbaum18@aol.com for questions

If you send me a self-addressed, stamped envelope, I will mail your membership card(s) back to you; otherwise you can pick them up at the September meeting.

VERY IMPORTANT! If your phone number, address, email, or other vital information has changed, please let me know. **HELP by paying your dues on time this year. DO IT NOW while you are thinking about it.**

GLMSMC Upcoming Elections and Slate of Officers

President- Jonathan Harris

Vice President- Gary Leaman

Secretary- Jeff Cessna

Treasurer- TBD

Junior Advisor- TBD

Field Trips Coordinator- Dave Fryauff

Membership Chairman- Doug Baum

Downstairs Showchair- Holly McNeil

Upstairs Showchair- Dave Tiktinsky

Property Manager- Joel Rosen

Immediate Past President- Chris Luzier

EFMLS Liaison- Wendell Mohr

Bulletin Editor- Olivia Luzier

If you are interested in joining the BOD, please talk to President- Chris Luzier at the upcoming auction meeting. Speaking of that, I have already heard from a few members on what they are bringing. Of note are various lapidary machines and also a 15 pound Smoky Quartz point! Don't miss it!!!

GLMSMC Regular Meeting Minutes

GLMSMC regular meeting minutes of September 14, 2015



John and Arella Beatty

The September 14, 2015 regular meeting was called to order by President Chris Luzier at 7:45 pm. There were 36 adult members at the regular meeting and 6 youth members at the FRA (MOCKS) meeting. The President asked all members to join him in a moment of silence for our dear friend, Andy Muir, who passed away suddenly on August 9. In further tribute and remembrance of Andy, his special space at the meeting was occupied by two polished mineral spheres and the blackout cloth he used for examining fluorescent minerals under UV light. He loved spheres and fluorescents and he loved our society. We will never forget Andy Muir.

New Officers Needed

The President announced that at the end of the year the terms of all Board members would expire and that we must elect new officers during the November meeting. The most pressing need is to fill the positions of Upstairs and Downstairs Show Chairpersons. Both Chris Luzier and Dave Tiktinsky are term-limited, having served for two years as President and Vice President, respectively.



Jeff Cessna and Chris Luzier

Member's Annual Auction

Chris Luzier announced that our October meeting will be an auction in which members are permitted to bring mineral, fossil, and/or lapidary specimens for silent auction. Rules and auction forms for this activity will be sent to all members by email.

Approval of June 2015 Regular Meeting Minutes

It was M/S/P to approve the corrected minutes of the June 2015 Regular meeting.



Tom Moran

Field Trips

Field Trip Chairman, Jonathan Harris, announced that a field trip is scheduled for Saturday, September 26th to the National Limestone Quarry in Mt. Pleasant Mills, PA. The weekend of 26-27 September coincides with the Sterling Hill NJ Garage Sale and the Franklin NJ Mineral Show. On October 24th, we are invited to join the Delaware EFMLS group for collecting at the Fairfield Quarry in Gettysburg, PA. However, this trip coincides with a GLMSMC collecting trip to the Churchville

Quarry on the same date, October 24th. On November 8th, we are invited to join other regional EFMLS groups for collecting at the Cornwall Iron Mine located on the Iron Valley Golf Course.



George Durland

Treasurer's Report

Holly McNeill reported that our current account stands at \$38,292.46, of which \$5,600.00 is allocated to the junior programs (MOCKS). Holly reported paying the registration for the trailer, the rent for use of the senior center classroom from September 2015 to June 2016, and placing a deposit with the fairgrounds for the use of the demonstration hall for our March 2016 show.

EFML Liaison

Wendell Mohr informed members of upcoming events and items of interest, including the following annual Mineral/Fossil/Gem/Lapidary shows:

- **Howard County Fairgrounds Gem & Mineral Show:** August 26-27th
- **Richmond VA Show:** October 18-20th
- **NOVA Annual Show at GMU:** November 20-21st

Members were also informed of a brochure obtained for a Chesapeake Bay Fossil Program that is open to 8 adults. Wendell received a letter asking if our club and members had interest and equipment for polishing about 50 rock slabs.

Membership

Doug Baum thanked the many members who had promptly paid their membership dues and mentioned that this was the best early response he had seen in 5 years.

Presentation:

"Perspectives on Micromounting"

The evening's speaker was Bob Cooke, who retired after a career as an Army officer in the nuclear weapons design program and more recently the Department of Energy. Bob and his wife had been collectors of thumbnail-sized minerals, but they were introduced to micromineralogy and micromounting through a geology class at George Mason University. As a result of this new perspective, Bob joined the Micromineralogists of the National Capital Area (MNCA), an Arlington, VA-based EFMLS club dedicated to the appreciation, preparation, study, and photography of microscopic minerals.



Why the intense interest in microminerals and micromounting? Have you noticed the high prices of beautiful mineral specimens at shows? Have you noticed that cabinet-size mineral specimens are seldom, if

Figure 1 Speaker Bob Cooke (photo by J Harris)



Joel Rosen

Eric Kindahl

ever, free of dings, and gashes, and breaks? Are you running short on display space in your hardwood cabinets?

Consider that among the approximately 5,000 mineral species so far discovered and named, around 4,500 of these occur in nature at a size too small to be seen/appreciated with the naked eye—magnification is required. At this small size, the cost of excellent quality specimens comes way down and both the quality and variety of minerals increases dramatically. To protect these small specimens' fragile beauty, they must be mounted or stabilized with water-soluble glue or "bluetac"

in little 1" x 1" x 1" clear plastic micro boxes or hinged "Perky" boxes. An excellent micro collection of a hundred specimens can fit neatly into a shoe box. The magnification needed to appreciate these "micros" can be achieved with an inexpensive hand loupe that magnifies the specimen 5 times larger (5X power magnification) and some of these loupes have nice little built-in LED lights to illuminate the specimen. However, serious micromineralogists invest in a microscope and focused lighting to achieve a range of 5X to 60X magnification of their specimens. Photography of microminerals takes the hobby to a higher level of involvement, physics, and expense. Dedicated, talented photographers can capture the perfection, color and morphology of mineral crystals that form at the microscopic level.

Visitors

Dr. Robert Shaw, former Alaska State Archaeologist, was in attendance and introduced himself to our group. It was M/S/P to welcome Dr. Shaw as a new member of our society.

Bob Cooke's presentation was followed by a short break and then the show table. Jeff Cessna won the show table prize of a fluorescent specimen of Fluorite and Calcite from Naica in Chihuahua, Mexico. Arella Beatty won the general door prize of a polished slab of Orthocera nautiloid from Morocco. The meeting photography was done by Jonathan Harris and David Fryauff. It was M/S/P to adjourn the meeting at 9:45 PM.

Dave Fryauff, Secretary

GLMSMC SEPTEMBER MEETING SHOW TABLE

Dave Fryauff

September 14th, 2015

Member's Name	Specimen Descriptions	Locality
Doug Baum	Mexican tri-color calcite	Chihuahua, Mexico
Jeff Cessna	Calcite	Eldford Quarry, UK
" "	"Mid-wave" calcite*	Franklin/Ogdensburg, NJ
Holly McNeill	Goethite/calcite	Mexico (gift from Andy Muir)
" "	Lepidolite	Newry Maine (gift from Andy Muir)
Gary Leaman	Eudialyte	Kola Peninsula, Russia
Diane Leaman	Howlite	Albuquerque, NM
Lyle Peterson	Iridescent goethite (var. turgite)*	Willis Mtn. Mine, Buckingham Co., VA
John Beatty	Various*	Beryl Pit, Bancroft, Ontario
Arella Beatty	Various*	Beryl Pit, Bancroft, Ontario
Matt Acosta	fern fossils*	Pine Grove, PA
Linda Smith	Basalt*	New Mexico
Jonathan Harris	Kyanite*	Willis Mtn. Mine, Buckingham Co., VA
Gerald Elgert	Serpentine, Mica, Petrified wood*	Maryland
Joel Rosen	Calcite	Madagascar
Wendell Mohr	Treasures of the World coin (turquoise)	Australia
Eric Kindahl	Fault gauge (Montmorillonite)*	San Andreas fault, Mecca Hills, Riverside Co., CA
Dave Fryauff	Clinozoisite (var. clinothulite)	Hawk Mine, Spruce Pine Dist., Mitchell Co., NC
Chris Luzier	Terlingua-type calcite	Terlingua, TX
George Durland	Rhodonite with Fluorite	Sterling Mine, Ogdensburg, NJ
" "	Sodalite (var. Hackmanite)	Badakshan Prov., Afghanistan
Steven Calamuci	Jadeite & Nephrite*	Jade Bay, Big Sur, CA
Nancy Shinowara	Agate	Sumerville, CA
" "	Mariposite	Mariposa, CA
Tom Moran	Transvaal Jade/	Africa

*Asterisk denotes self-collected or self-made

GLMSMC BOARD MEETING MINUTES

September 21, 2015

Holly McNeil, recording Secretary pro-tem

Attendees: Doug Baum, Andy Celmer, Jonathan Harris, Chris Luzier, Holly McNeil, Wendell Mohr, Pat Repik-Byrne, Joel Rosen, Dave Tiktinsky

Absent: David Fryauff

The meeting was called to order at 7:38 PM.

Issues and Announcements:

Board Vacancies

Chris informed the group that no one at the regular meeting on Monday expressed any interest in the open officer or chair positions. The group discussed possible nominations for officers and chair positions. Dave Tiktinsky graciously agreed to become Upstairs Show Co-Chairperson and was thus appointed by the board. Jonathan Harris agreed to be nominated for President. Therefore, we need a new volunteer for Field Trip Chair. We still need to find a person to be Vice President and another to be Secretary. Doug Baum agreed to continue as Membership Chair. Junior Advisor Board position will remain unfilled for now. Once the slate of nominations are complete they will be announced in "The Rockhounder" for membership voting in November.

Meeting and Membership Issues

- October meeting/club auction was discussed and it was confirmed there will be no show table and no door prizes
- Membership Chair, Doug Baum, updated the group on the current status of paid members, 72 adults/18 juniors
- In recognition of his ongoing generous donations to the FRA program it was M/S/P that Patrick Haynes be granted a free membership
- Dave Tiktinsky informed the group of challenges obtaining speakers; options were discussed and suggestions made
- Jonathan updated the group on upcoming fieldtrips
- The group discussed possible tributes to Andy at the December holiday party and the inclusion of the MSDC Club

Show Issues

- Chris suggested club T-shirts be ordered for our show and perhaps ones that pay tribute to Andy at the December meeting
- Holly informed the group that she paid for the fairgrounds rental, security contract, and table rental for the show
- Holly informed the group of the dealer responses to our 2016 show announcement
- The workshop was discussed at length:
 - Safety/height considerations
 - Management logistics and volunteerism
 - The need for preforms; the board agreed to pay \$1 a piece for them, consistent with what was paid a dealer to provide them last year
- Wendell suggested the club sell some of the old show cases to the membership or to other clubs; logistics have to be worked out due to the need to assemble all of them before they may be sold.

Other

- Holly informed the group of the status of the audit of the 2014 financials and YTD budget performance
- The club website was discussed
- Joel recommended a 3 year time frame and establishing escrow funds to purchase a new 22' trailer to replace our current 30 year old one
- Chris informed the group of a request for a donation by Washington College Earth and Planetary Funds. No action taken at this time.

Action Items

- Chris will do further research on T-shirt pricing
- Chris will ask specific club members recommended by the Board if they would be willing to serve officer and chair positions
- Chris will follow up with Jeff Nagy regarding plans for website additions
- Chris to contact specific club members to ask of their willingness to provide preforms
- Chris to send out meeting reminders on the Saturday or Sunday before our regular meeting.
- Dave Tiktinsky to send out the details of the club auction to the membership soon before "The Rockhounder" is published
- Dave Tiktinsky will send out information about the club auction to other local clubs in an effort to increase attendance/number of buyers
- Andy Celmer will bring in some of the higher quality specimens from donations to be sold at the October meeting/auction
- Andy Celmer to update website with "The Rockhounder" issues
- Andy Celmer to follow up website payment options to remove Mark as per his request
- Doug to follow up publicity with the NOVA show
- Doug to send our show flyer to Jonathan for revision so copies may be made and distributed, hopefully to the Howard County Show this weekend
- Joel to provide estimate for the pricing of a new trailer and make inquiries into the trade in value of our old one
- Pat to gather needed information and documents regarding the Downstairs Show Chair responsibilities so her successor has the necessary information and tools to be effective
- Holly will compile all the information she has on the upstairs show and forward it to Dave

Meeting adjourned at 9:18 PM.

FUTURE ROCKHOUNDERS OF AMERICA (THE MOCKS, AGES 10-15)

Mark Dahlman

Next Meeting Date: October 12, 2015

Meeting Time: 7:45-9:00 PM

Meeting Location: Sunroom Cafeteria at the Rockville Senior Center

September 14th Meeting

FRA members made sinkholes at our September meeting and watched a short video about why sinkholes form. We also enjoyed choosing and unwrapping some of the minerals that Patrick Haynes generously donated to the FRA— thanks Mr. Haynes! The FRA members also decided to start the Special Effects Badge in October.

October 12th Meeting

At our October meeting we will start working on the Special Effects Badge (some rocks do some weird things). We will also be deciding on the FRA badges to earn after this one. Come and help us decide what's next. FRA members, if you have 10 labeled micromounts (requiring magnification to appreciate them), 10 labeled thumbnails (typically in 1" boxes), and/or 10 labeled miniature specimens (in 2" boxes), please bring them to our meeting so you can receive credit toward the World in Miniature Badge. See you at our meeting!

For more information on the Future Rockhounds of America program, please contact Mark Dahlman at <fra_advisor@glmsmc.com> or 301-428-0455.

FIELD TRIP NEWS

Jonathan Harris

We have several fieldtrips planned. Here is a summary of our upcoming trips:

- **Sunday, October 11:** Geological Tour of Roadcuts in Corridor H, lead by Shelly Jaye
- **Saturday, October 24:** Churchville Quarry (space limited)
- **Saturday, October 24:** Fairfield Quarry
- **Sunday, November 8:** Cornwall Dumps, Cornwall, PA
- **Sunday, November 15:** Scufflin Acres, near Prospect, VA (fee dig for quartz crystals)

Fieldtrip to Corridor H - Road Trip Sunday, October 11 from 8am-6 pm

Our friends at the MSDC have invited us to join them on this fieldtrip. Please cc: me on RSVPs to DNanney@cox.net.

Shelley Jaye, our speaker in October, spoke about the amazing road cuts easily accessible in West Virginia along Corridor H. She offered to lead a trip for MSDC and has agreed to next Sunday as the date. MSDC has not had an organized field trip since Leslie and I joined ten years ago so this is our first with the club. We will leave from a TBD gathering plan convenient to those who RSVP at 8AM on Sunday, October 11. This is an all day trip, returning to the DC area around 6PM. It is approximately a two hour drive to the site, with a pause to refresh in Strasburg. We will make a number of stops along the Corridor, with all being within 30 feet of

the road. So light rock scrambling will be necessary to get to some of the rock faces so sturdy shoes are recommended.

Please RSVP by Tuesday so we can confirm that the trip will be on. The weather is looking much, much better than this weekends, so we will plan to go if only light showers. Expect nice weather as I am a fair weather geologist.

This is a fabulous opportunity, and is much more accessible than the average geology field trip, so I encourage everyone's participation.

Please send an email to dnanney@cox.net to confirm your participation. We will discuss the details Wednesday evening at the November meeting and set a agreed upon meeting place. I would expect to form car pools. Questions?

Dave Nanney

MSDC, VP

[703-624-3754](tel:703-624-3754)

Fieldtrip on Saturday October 24, 2014 from 8:30-11:30 am Bluegrass Materials Churchville Quarry, Churchville, MD

Location: Meet at the office building at 8:30AM on Saturday Oct 24. Park in the gravel parking lot 1219 Calvary Rd, Churchville, MD. This quarry was formerly Lafarge's but was sold to Bluegrass Materials. See directions below. We must be out of the quarry by 11:30 AM (if people can last that long in the heat and subject to change by quarry management if the people on site have to leave earlier).

Restrictions and Age Limit: Attendees must be **adults (18 and over)** and be current members of the **GLMSMC** or a mineral club invited by the GLMSMC. Total number of attendees is limited to 15 by request of quarry.

Special Rules: The quarry has requested that we wear fluorescent vests (typically available at home center stores). Also, even in the summer heat, **long pants** are required on all quarry collecting trips.

Mineral types:

- Zeolites (Stilbite, Heulandite, Laumontite, Scolecite)
- Pyrite, pyrrhotite Quartz, Epidote (long crystals)
- Molybdenite
- Much of the material is in a gneiss

Because this is space limited, please reply by October 14 at 5 PM. **Please reply to this email with your name, anyone else potentially going with you, and your agreement to the rules and waivers to apply attend.** I need the information in the subject line to track

the email responses. If you cannot access email, call me at [301-545-0808](tel:301-545-0808). Please note any special issues that may affect your plans on attending (e.g. potential to be called away for business trip, desire to avoid rain, etc.). I will let people know by October 15 if they can attend; previous experience suggests it is unlikely we will be oversubscribed. People who request to attend after October 14 will be accommodated on a first-come-first-served basis.

(Note: if you we are oversubscribed, please consider the Fairfield Quarry trip which is on the same date)

Time Mile Instruction For Toward

Summary: 71.0 miles (1 hour, 11 minutes)

9:14 AM 13.2 At exit 27, turn RIGHT onto Ramp 0.4 mi I-95 / Baltimore
9:15 AM 13.6 Take Ramp (LEFT) onto I-95 19.4 mi I-95 / Baltimore / New York
9:32 AM 33.0 Keep RIGHT onto I-895 [Harbor Tunnel Throughway] 14.8 mi I-895 / Harbor Tun.
9:47 AM 47.8 Merge onto I-95 [John F Kennedy Memorial Hwy] 18.9 mi
10:04 AM 66.7 At exit 80, turn RIGHT onto Ramp 0.5 mi MD-543 / Riverside / Churchville
10:05 AM 67.2 Keep STRAIGHT onto Local road(s) 21 yds
10:05 AM 67.2 Turn LEFT (North) onto SR-543 [Creswell Rd] 2.0 mi
10:08 AM 69.2 Bear RIGHT (North) onto SR-136 [Calvary Rd] 1.8 mi
10:11 AM 71.0 Arrive Calvary Rd, Churchville, MD 21028

Fairfield Quarry Saturday October 24, 2015 from 9am-1pm

Please reply to me no later than Thursday, October 16 at 5PM if you would like to go. Earlier responses would be much appreciated. As you can see this is a joint trip run by another club. Valley quarries has let in minors with a parent present. Our standard trip rules and waiver (read below), in addition to any DMS specific rules, applies.

**Delaware Mineralogical Society
Field Collecting Trip
Fairfield Quarry
Saturday, Oct 24, 2015
(9:00am-1:00pm)**

Fairfield Quarry is one of several Valley Quarries sites in the Gettysburg, Pa area, and is located along Rte 116 near the small village of Fairfield and just north of the Mason-Dixon Line. Geologically it's part of the larger Gettysburg Formation and is predominantly limestone. However the limestone here is somewhat unique. The underlying limestone was formed during the Cambrian-Ordovician Eras which was exposed by erosion by the beginning of the Mesozoic Period. Early in the Mesozoic erosion from nearby highlands brought successive layers of clastics and fine sediments to this area, producing successive layers of fine layered limestone, shales and conglomerates. Tectonic activity during the Jurassic produced diabase layers which caused contact metamorphism, producing marble and some chert.

Limestone, marble and calcite are the predominant minerals. Other minerals found here include grossular garnet, diopside and vesuvianite. The one specimen I have from this quarry is a 6", light blonde calcite plate where the crystals appear to be more cubic than rhombohedral (looks more like fluorite than calcite).

Unique to this site, and most interesting, is that mid-Triassic dinosaur tracks are found in some of the shale layers. One site, about 15' square, is exposed and available to visitors (though no collecting is allowed here). However, the shale layer dips into the active quarry (easy to follow by eye) and dinosaur prints have been collected there. Two of the dinosaur names are 'grallator' and 'brachychirotherium'.

I will bring pictures/articles of the quarry and footprints to the Sept. and Oct. DMS club meetings.

As always, this Field Trip is open to members of the Delaware Mineralogical Society and members of invited clubs, only.

Cornwall Mine Dump, Cornwall, PA Sunday, November 8, 2015 from 10am-3pm

Please reply by email to jgharris7@gmail.com if you are attending. Please let me know 10 days prior to the trip so I can get Tom a correct headcount.

**Field Trip
Cornwall Tailings
Cornwall, Pa
Sunday, Nov 8, 2015
(10:00 - 3:00)
Delaware Mineralogical Society**

Site Geology

The minerals at Cornwall are associated with two major rock types: diabase and limestone. The Triassic diabase is an igneous rock of dark green to black color containing feldspars and pyroxenes, with minor amounts of biotite, ilmenite and hornblende. The diabase formed by crystallization of these minerals from a molten rock that cut upward through surrounding Cambrian and Ordovician limestone. This diabase, as it cooled and solidified, recrystallized some of the limestone into marble. Several minerals, such as diopside, actinolite, epidote, and garnet, also formed in the limestone partly as a result of the heat from the diabase and partly as a result of the addition of some chemical elements from the final crystallization of the diabase. Later, additional solutions spread outward along the top of the diabase into the limestone. The magnetite, hematite, pyrite, chalcopyrite, actinolite and chlorite formed at this stage. Sometimes they replaced the limestone, and sometimes they replaced the previously formed diopside and actinolite. The zeolites, sulfated, hydroxides, and copper carbonates crystallized last, filling open fractures and cavities. The consequence of this series of geologic events has resulted in certain minerals occurring together. Three such examples are the associations 1) magnetite-chalcopyrite-actinolite, 2) zeolites-chlorite-magnetite, and 3) garnet-tremolite-calcite-serpentine. The age of the ore deposit is approximately 190 mya, which is within the Triassic period.

MinDat list 75 minerals that have been found at this site.

Collecting

The mines at Cornwall have been closed for some time, and are now imploded and/or flooded. However extensive tailing piles remain and we have been granted permission to collect at one. It is quite large being perhaps 100 X 300 yds roughly a triangular shaped slope. The rocks appear to be mostly diabase; little limestone was evident but I did find some. Virtually all of the rocks are dinner plate sized and smaller.

NOTE: It is about a ¼ mile walk from a parking area to the tailings piles. For the most part it's a very easy walk. This is not necessarily a strenuous collecting trip, depending on how much you collect. The tailings slope is immediately adjacent to a golf course; don't bother the golfers, stay down the slope out of sight. And there are lots of round, dimpled, white 'rocks' scattered throughout the slope...collect them for your favorite golfer.

Equipment:

You will need to bring leather boots (I don't think you need steel-toed), gloves and goggles (hard hat optional). Bring rock hammers, chisels and small sledges (2-5 lb range), wrapping material and flats (I don't think a big sledge is necessary). Also bring lunch, snacks and drinks; there are no food sources nearby (unless the Golf Club restaurant happens to be open)

Bring a compass; watch it go crazy! If you somehow get lost, do not rely on your compass.

This Field Collecting Trip is for Delaware Mineralogical Society members only and members of invited clubs.

Scufflin Acres Quartz Crystal Dig

Sunday November 15, 10am-??

261 Scufflin Acres Ln, Prospect, VA (where Scufflin Acres Ln Meets Simpson Rd (rt 645)

Fee dig for quartz crystals, including amethyst

Fee \$20 full day/\$10 half day (seems like 4-6 hours of digging), children

Drive time, about 3 hours from Rockville/185 miles.

<https://www.facebook.com/Scufflin-Acres-Farm-100676023472061/timeline/>

Please RSVP to jgharris7@gmail.com four days in advance.

FIELDTRIP REPORT: WILLIS MOUNTAIN

Jonathan Harris, edited by Dave Fryauff

Willis Mountain Trip Report

What a way to spend one of the dog days of summer! We went on our annual trip to Willis Mountain, thanks to the generosity and hospitality of the family-owned Kyanite Mining Corporation and the planning of Dave Callehan of the Roanoke Valley Mineral and Gem Society. Each year, Dave works with Mike Morris of the Kyanite Mining Corporation to arrange for a large number of clubs in this region to collect at Willis Mountain.

The Kyanite Mining Corporation traces its origin to a bankruptcy auction in 1948 when Gene Dixon bought the Baker Mountain Mine, about 30 miles South of Willis Mountain. Since then, Baker Mountain, known among collectors for its deep blue kyanite, has become a forest and wildlife habitat, thanks to post-mining reclamation, and the corporation now mines the kyanite at Willis Mountain. The firm is still family-owned with Gene's grandson, Guy Dixon, as the current president.

For our members, the trip generally begins with an early morning drive through the rolling farm country and towns of central Virginia along Route 15, followed by a safety briefing by Mike Morris. Mike also has a briefing to explain the history and operations of the mine to new collectors. This year's trip appears to have had about 100 attendees, but Willis Mountain is sufficiently large enough to easily accommodate such a crowd.

The major material mined and collected at Willis Mountain is a kyanite-laden quartzite. Collectors seek out well formed blades of kyanite, as well as other minerals including rutile, topaz, apatite, muscovite, and a variety of less common minerals. Some of the quartz, kyanite, and apatite are fluorescent.

Willis Mountain is a monadnock, an isolated mountain rising from a landscape which has remained after softer surrounding rock has worn away. In the 1980s and 1990s it was believed that the quartzite arose from metamorphosed sandstone. Starting in 2001, geologists have proposed that the rock was originally igneous, likely volcanic, from about 450 million years ago (the Ordovician period). This rock was leached by scalding hot acidic water (100-400 C°- and under pressure—ouch!) until very little but aluminum oxide and silicon oxide (quartz) were left to form the kyanite. Hence remodelers who sell countertops of Willis Mountain material may not be entirely wrong in calling it "kyanite granite."



Specimens before and after cleaning: Upper cleaned with Iron Out+sodium citrate and lower cleaned with oxalic acid in a slow cooker (keep warm setting). Pictures taken with Samsung S6. pounder



Photos, starting top left:

Challenge—nice kyanite crystals in large boulder. Can these be collected?

View of mountain top and surrounding countryside.

Dave Fryauff holding a find. Kyanite Corporation facilities with countryside, a large specimen in a milk crate.

TO THE WAY BACK MACHINE -- MINERAL JAMES L MACIE

Andy B. Celmer, EFMLS Historian

Hello Seekers,

Last month I spoke to you of the mineral collections of the 17th and 18th centuries. This might lead you to believe I am done with those centuries, au contraire mon frère!

As the dog barked to the mailman, “I have not yet begun to bite!”

James Louis Macie is born in Paris in 1765 to Elizabeth Hungerford Keate Macie. He is the illegitimate son of Hugh Smithson Percy, first Duke of Northumberland. James Macie studies chemistry and mineralogy at Pembroke College, Oxford, England. As a member of the wealthy class, James Macie field collects extensively and develops his skills with mineral analytical

experimentation. James will change his surname to Smithson in 1801 and in 1802 publishes a paper which identifies zinc carbonate a “calamine” not zinc oxide as thought by Hauy. Zinc carbonate will later be named Smithsonite in his honor.

James Smithson is quite wealthy when he dies in 1829, leaving most of his estate to his nephew, with the provision that if the nephew dies childless the estate would go---

---to the United States of America, to found at Washington, under the name of the Smithsonian Institution, an establishment for the increase and diffusion of knowledge among men.

God, I love that kind of talk!

You know the nephew, Henry James Hungerford, will die childless because there exists the greatest museum system in this country (author’s opinion), called the Smithsonian Institution.

The James Smithson estate included \$550,000, 105 bags of 1,000 gold sovereigns each and 8,000 to 10,000 mineral specimens described and labeled in Smithson’s own writing, along with his papers and other effects.

But not so fast readers! When it came to creating this great institution, “ya got trouble, right here in River City! With a capital “T” and that rhymes with “P” and stands for Pool!” I know that doesn’t rhyme with S.I. but what can I do? Suffice it to say that this young nation is wet behind the ears. This new nation is a tad bit insecure when dealing with its older, more experienced European neighbors. Anyway, River City in this case is Washington, DC and President Andrew Jackson, (his friends called him Andy B), is unsure if he has the power to accept the gift. So he will ask congress to give him said power. Senator John C Calhoun, (South Carolina), believes it will abridge States right’s to accept the gift and Senator William Campbell Preston, (South Carolina), says, “[E]very whippersnapper vagabond...might think it proper to have his name distinguished in the same way.” The bill will pass in its own good time. As they say of congress, “how long does it take to pass a bill?” Reply, “three months.” “What if it’s an emergency?” Reply, “four months!”

The Smithsonian Institution exterior is completed in 1849 and the Smithson collection is soon installed and we all live happily ever after. “But wait Andy B,” both of my readers ask, “why do we not see at least some of James Smithson’s minerals on display?” Funny you should ask.

January 24, 1865 is another cold day in the nation’s capital. A few days prior a stove is installed in the picture gallery. Inadvertently the exhaust from said stove is inserted into an air chamber in the wall instead of the flue. A fire consumes the third floor along with Smithson’s mineral collection and most of his papers. Two hundred oil paintings by John Mix Stanley are lost as well as the contents of the public libraries of Alexandria, Virginia and Beaufort, South Carolina. Thus depriving the nation of the knowledge of James Smithson as a great mineral collector!

Smithsonian Regent Alexander Graham Bell brings James Smithson’s remains to Washington DC and they are interred in a tomb in the Smithsonian Building. Next time you are in the nation’s capital, stop by and visit, he loves the company.

WEBSITES OF INTEREST

Wendel Mohr



Geology Page

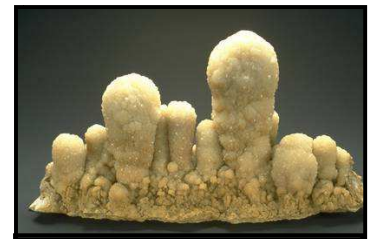
Geology Page is a Youtube educational website with geology news, research, videos, photos, and new articles. You will find a variety of videos on Geology topics, some short, others long.

<https://www.youtube.com/user/GeologyPage>

Virtual Museum of Chinese Minerals

Virtual Museum of Chinese Minerals by Steve Smale gives you a chance to feast your eyes on this all-photographic website. See the preface for details of the undertaking. "Terminology" shows a map with information about mines, species, and references. About 300 pictures of the best in Smale's collection, photographed by Jeff Scovil, are shown. You would be hard-put to find better pictures than these anywhere.

www6.cityu.edu.hk/Chinese-minerals/



Calcite Stalagmites
Photo Credit: Chip Clark
Smithsonian Institution NMNH

When Trilobites Ruled the World

When Trilobites Ruled the World is from the New York Times but also reference work by Dr. Brian Huber of the Smithsonian National Museum of Natural History. Open the graphic which depicts about 50 forms evolved over 300 million years. See body plans and roll-up structures. In most trilobites, each compound eye held hundreds of tiny calcite lenses, arranged in a tightknit honeycomb pattern, like the eye of a fly. But fairly late in trilobite evolution one group developed a different sort of eye, composed of a smaller number of larger, separated calcite lenses. The trilobites vanished in the great Permian extinction 252 million years ago. There is a song video by Nigel Hughes, a professor at the U of CA, Riverside, singing an ode to a creature long vanished in "Lament for the Passing of the Trilobites."



Photo Credit Chip Clark
Smithsonian Institution NMNH

<http://www.nytimes.com/2014/03/04/science/when-trilobites-ruled-the-world.html>

Smithsonian Science How Webcast Schedule

These free, interactive, TV-style webcast programs will introduce middle school students to core science concepts through the lens of Smithsonian research and experts, providing students with positive STEM role models and a connection to science in their lives. Explore the topics in the schedule by watching a webcast and using the classroom activities, lessons, readings, and other resources that support each webcast program.

See <http://qrius.si.edu/webcast/science-how-schedule>

How Fossils Explain the Rise of Dinosaurs

October 8th is the first show of the season at 11am and 2pm with "How Fossils Explain the Rise of Dinosaurs," featuring paleontologist Hans-Dieter Sues. The next item of interest to our membership will not be until March 10, 2016.

EVENTS OF INTEREST

- Sept. 19, Oct. 24: **Fossil Field Experience**. The program begins at the Cove Point Lighthouse at 9:00am with a trained guide. Participants learn how to find and identify fossils. Solomons, Md. [410-326-2042, ext. 41](tel:410-326-2042), calvertmarinemuseum.com/215/fossil-field-experience
- Fri, Oct 9 7:30 PM: **Chesapeake Gem and Mineral Society Auction**. See announcement
- Fri, Oct 9-Sun Oct 11: **2015 Desautels Micromounters Conference**, Friends School 5114 No. Charles St, Baltimore, MD <http://www.baltimoremineralsociety.org/desautelssymposium.html> and http://www.baltimoremineralsociety.org/images/Desautels_15Registration.pdf
- Sat, Oct 10, 10am-4pm: **National Fossil Day at The Museum of Natural History**. See details below
- Sat, Oct 24, 2015: **Annual "ULTRAVIOLATION" Show**, a Fluorescent Minerals only show
Location: First United Methodist Church, 840 Trenton Road, Fairless Hills, PA., 9AM – 5 PM, Cost \$2.00 Donation, children 12 years old and younger FREE. Door Prizes, vendors, food, lots of fun!
Info: Chuck O'Loughlin 856-663-1383 or ultraviolation@yahoo.com
- Sun, Oct 25, 2015, noon-5pm: **Gem, Lapidary, and Mineral Society of Washington, DC 2015 Auction** at the Woman's Club of Bethesda, 550 Sonoma Rd, Bethesda, MD www.glmsdc.org see announcement.
- Sat, Oct 31, 2015. 8am-3 pm: **South Penn Rock Swap**
615 Narrows Road, Biglerville, PA 17307. See below or contact tsmith1012@comcast.net.
- Sat, Nov 7 & Sun Nov 8. Lancaster, PA: **Friends of Mineralogy Symposium (Nov 7) & Field Trip (Nov 8)**. See announcement.
- **Audubon Naturalist Society**: New online registration for all programs below.
Visit <www.ANShome.org/adultnatureprograms> and click on "Register Online".
Questions? Call Pam at [301 652 9188 extension 16](tel:3016529188) or e-mail pamoves@anshome.org

National Fossil Day at The National Museum of Natural History

DESCRIPTION: The Smithsonian's National Museum of Natural History will host the National Park Service's 2015 National Fossil Day Celebration in DC with an all-day family festival. Visitors will be able to participate in family-friendly, fossil-themed activities presented by volunteers and fossil scientists who work with the museum, the National Park Service and other partner agencies and organizations. Kids of all ages will also have the chance to be "deputized" by National Park Service rangers as Junior Paleontologists and will get to take home a Junior Paleontologist badge and book about fossils found in National Parks around the country. Museum volunteers will be available at a greeting cart in the museum's Rotunda (1st floor, Mall-side entrance) to answer questions and direct visitors to fossil-themed activities.

WHEN: Saturday, October 10, 2015 from 10am - 4pm

CO-SPONSOR: National Park Service

VENUE: Natural History Museum

EVENT LOCATION: Visitors will be able to explore the exhibition "Last American Dinosaurs: Discovering a Lost World" (2nd floor) and see ongoing research and fossil preparation at the FossilLab. Activities in Q?rius, the museum's education center (ground floor, Constitution Ave. entrance), will include opportunities for visitors to handle fossils and to talk with fossil scientists about what fossils can teach us about life on Earth. Art-meets-science will be available in Q?rius Jr. (1st floor), where visitors will be able to make their own fossil rubbings.

COST: Free

RELATED EXHIBITION: "Last American Dinosaurs: Discovering a Lost World"

I attended this event a couple of years ago and it was EXCELLENT!

Cheerio, Wendell

Friends of Mineralogy Symposium and Field Trip

The Friends of Mineralogy-Pennsylvania Chapter will hold their 2015 Symposium and field trip on the first weekend in November. Mineral collectors in attendance on Saturday will meet in the Hackman Physical Sciences Building at Franklin & Marshall College, Lancaster, PA, to hear five talks by experts on minerals, geology and mining in Pennsylvania and beyond. On Sunday, a field trip for those registered for the symposium will provide an opportunity for mineral collecting.

The program planned for the symposium includes these presentations:

Michael Stefanic, PG: Phosphate Minerals in Pennsylvania

Bill Stephens, PG: Preliminary Evaluation of the Mount Pleasant Mills Wavellite Occurrence

Ron Sloto, PG: The Geology and Mineralogy of the Grace Mine

Ian Saginor, PhD: Volcanic Evolution of Central America

Stan Mertzman, PhD: Mineralogy of the Surface of Mars

All interested mineral collectors are invited to register and attend. As usual, select 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 walking distance. Please see the website <http://www.rasloto.com/FM/> for details, updates, and the registration form.

The mineral collecting field trip on Sunday is planned for a location where a variety of minerals may be available. Details will be given at the symposium. The trip is open only to symposium registrants. Safety equipment will be required.

Dates: Saturday & Sunday, November 7-8, 2015

Location: Saturday Nov. 7: Hackman Physical Sciences Bld., F&M College, Lancaster, PA

Sunday, Nov. 8: location to be announced

Registration: \$25 for non-members, \$15 for current FM-Pa members; free for students with student ID.

Please register in advance; a form is available on the web site.

Web Site: <http://www.rasloto.com/FM/>

Contact: Joe Marchesani

E-mail: Jmarch06@comcast.net

Phone: 609-433-5129

Fall Montgomery County Recreation and Parks Programs:

Gemology I Introductory

Ages 18 & Up. Want to know those gems you are wearing on your rings, necklaces, bracelets, brooches? Curious about how gemstones came to be? Beginning Gemology, organized around Moh's scale of hardness, is an introduction to gemstone study. Hands-on specimens and examples to examine during each class.

11 Sessions, \$100. Instructor: Our Member, Tim Morgan. At Potomac Community Center, 11315 Falls Road, Potomac MD 20854 Class Number 5820. Starts October 1 Thursdays 10:00 am – 11:15 am.

Gemology II Advanced

Ages 18 & Up. Prerequisite – Beginner or Introductory class. Interested in Gemstones, but already know a little something about them? Want to learn more? This class examines gemstone groups with examples and hands-on specimens. Guest speaker and field trip possible.

11 Sessions, \$100. Instructor: Our Member, Tim Morgan. At Potomac Community Center, 11315 Falls Road, Potomac MD 20854 Class Number 5858. Starts September 30 Wednesdays 10:00 am – 12:15 am.

Register online at www.ActiveMONTGOMERY.org or obtain a copy of the Montgomery County GUIDE - Fall Recreation and Parks Programs booklet at a public library, use the registration form on the inside back cover, and mail in as directed.

SHOW ANNOUNCEMENTS

South Penn Rock Swap

--FALL SWAP--

Saturday, October 31, 2015

8 a.m. to 3 p.m.

South Mountain Fairgrounds

West of Arendtsville, PA on Route 234

For GPS, use address:

615 Narrows Road, Biglerville, PA 17307

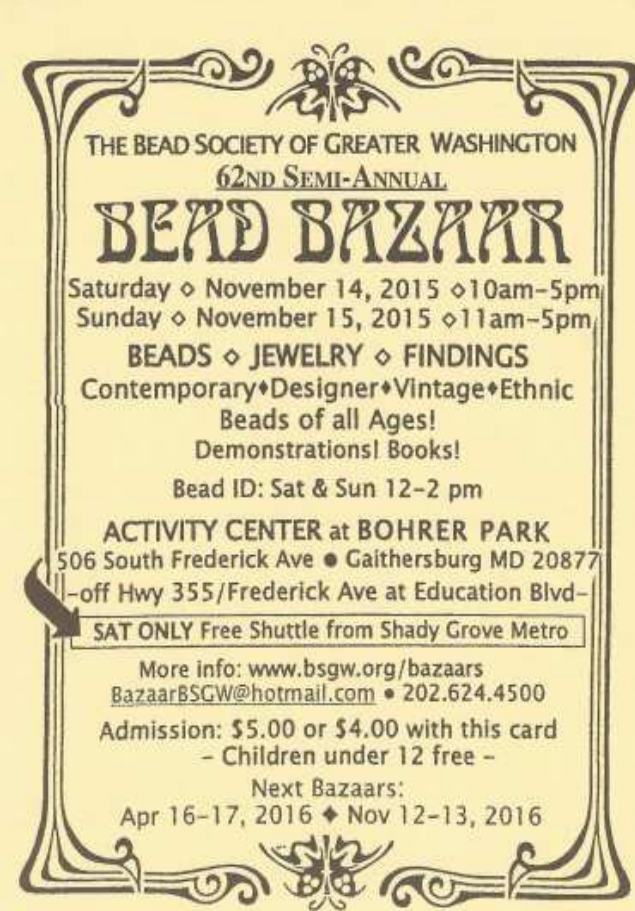
General admissions: \$1.00/person

Table for Swappers: \$5.00/table

Sponsored by the Central Pennsylvania and

Franklin County Rock & Mineral Clubs

Contact: tsmith1012@comcast.net



THE BEAD SOCIETY OF GREATER WASHINGTON
62ND SEMI-ANNUAL
BEAD BAZAAR
Saturday ♦ November 14, 2015 ♦ 10am–5pm
Sunday ♦ November 15, 2015 ♦ 11am–5pm
BEADS ♦ JEWELRY ♦ FINDINGS
Contemporary ♦ Designer ♦ Vintage ♦ Ethnic
Beads of all Ages!
Demonstrations! Books!
Bead ID: Sat & Sun 12–2 pm
ACTIVITY CENTER at BOHRER PARK
506 South Frederick Ave • Gaithersburg MD 20877
–off Hwy 355/Frederick Ave at Education Blvd–
SAT ONLY Free Shuttle from Shady Grove Metro
More info: www.bsgw.org/bazaars
BazaarBSGW@hotmail.com • 202.624.4500
Admission: \$5.00 or \$4.00 with this card
– Children under 12 free –
Next Bazaars:
Apr 16–17, 2016 ♦ Nov 12–13, 2016

Morgantown Gem, Mineral, Jewelry & Fossil Show

Saturday, Oct. 3, 2015 10:00 AM - 6:00 PM
Sunday, Oct. 4, 2015 11:00 AM - 5:00 PM

MYLAN PARK - Ruby Community Center
EXIT 155 off I-79 Morgantown
Sponsored by: Prehistoric Enterprises
Phone: 304-282-2306



See displays, gems,
geode cutting, fossils,
minerals, jewelry
and exciting
shopping opportunities.

Fun for all ages. Free parking.

Door prizes and demonstrations.

Admission \$3.00 (good both days)

Children under 6 FREE

FREE Parking - Handicap Parking

Great Food on Site Great Restrooms

The Woman's Club of Bethesda
5500 Sonoma Road
Bethesda, Maryland 20817
Free admission! Free parking at
rear and on side streets.

The Gem, Lapidary and Mineral Society of Washington, DC

Invites you to our 2015 Auction

Sunday, October 25

Preview: Noon-1 pm

Live and Silent Auction: 1-5 pm

Featuring unique specimens from
members' collections, gemstones,
lapidary rough, jewelry, beads,
minerals, fossils, books, and more!

For directions, go to
www.bethesdawomansclubmd.com
Visit our club website at
www.glmsdc.org

The Chesapeake Gem & Mineral Society

Auction

Date: Friday, October 9, 2015

Time: 7:30 pm (viewing at 7:00 pm)

Place: New Location

Westchester Community Center

2414 Westchester Ave., Oella Md. 21043

**Items that can be found are Gemstones,
Cutting rough, Jewelry, Minerals, Fossils,
Books, Magazines, and Lapidary equipment.**

Refreshments are available.

Directions:

From the north:

Take I-695 to US 40 west (exit 15B). Turn left on N. Rolling Rd. Turn right at Old Fredrick Rd. (You will pass through 1 roundabout). Turn right on Oella Ave. Turn left on Westchester Ave. Westchester Community Center is on the right.

From the south:

Take I-695 to Fredrick Rd. (exit 13). Turn left on Fredrick Rd. Follow Fredrick Rd. approx. 2.7 miles. Turn right on Oella Ave. Turn left on Westchester Ave. Westchester Community Center is on the right.

Need a map? You can find one on our web site.

<chesapeakegemandmineral.org>



SYMPOSIUM & FIELD TRIP

Friends of Mineralogy - PA Chapter November 7-8, 2015 Lancaster, PA

Hackman Physical Sciences Building (parking lot off Harrisburg Pike), Franklin & Marshall College

Symposium for mineral enthusiasts on **Saturday Nov. 7** Doors open at 8:30 a.m.

Sales by Select Dealers – Silent Auction – Give-away Table – Meet Fellow Collectors

Experts will speak on the theme: **Recent Advances in Mineralogy: Pennsylvania and Universal Applications**

Michael Stefanic, PG	Bill Stephens, PG	Ron Sloto, PG	Ian Saginor, PhD	Stan Mertzman, PhD
PA DEP	Stephens Environmental	West Chester Univ.	Keystone College	Franklin & Marshall College
Phosphate Minerals in	Consulting, Inc.	The Geology and	Volcanic Evolution of	Mineralogy of the Surface of Mars
Pennsylvania	Preliminary Evaluation of the Mount	Mineralogy of the Grace	Central America	
	Pleasant Mills Wavellite Occurrence	Mine		

Registration (form on web site): Current members \$ 15.00 Non-members \$ 25.00 Students with student ID free

Professional Geologists: lecture attendance qualifies for Professional Development Hours toward license renewal

Field Trip Location to be announced. **Sunday Nov. 8** Open only to symposium registrants.

Visit our web site for details, registration form, changes and updates: www.rasloto.com/FM

With this ad, \$1.00 off General Admission

2015

GEM MINER'S HOLIDAY!!

November 21-22, 2015

LEBANON, PA

**Beads! Findings!
Minerals! Fossils!
Gems & Jewelry!**

THE MID-ATLANTIC'S BEST SHOW

GIFT AND CRAFT RELATED ITEMS
RETAIL AND WHOLESALE EXHIBITORS
HOURLY DOOR PRIZES & GRAND PRIZE DRAWINGS
OPEN TO THE PUBLIC

SATURDAY: 10 A.M. - 5 P.M. ❖ SUNDAY: 11 A.M. - 4 P.M.

\$5 ADMISSION - CHILDREN UNDER 12 FREE

Lebanon Expo Center: Route 72
5 mi. N. of PA Turnpike--Exit 266 (old exit 20),
right on Rocherty Road.

www.gem-show.com

(see website for updates)
(301) 807-9745



24th 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 21 & 22, 2015
Place: The Hub Ballroom (Student Union II Bldg)
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
1 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

MINERALS, FOSSILS, BEADS & JEWELRY SHOW & SALE

HOLIDAY INN HOTEL

9615 Deereco Rd.
LUTHERVILLE - TIMONIUM, MD
(I-83, Exit 17, Padonia Rd.)

ONE DAY ONLY!

SATURDAY, DECEMBER 19, 2015

10:00 a.m. - 4:30 p.m.

Super dealers:

Mike's Minerals,
Highland Rock & Fossil,
The Bead Warehouse (www.thebeadwarehouse.com),
Alan's Quality Minerals

**** FREE ADMISSION ****

For more info, call Mike at 330-398-7015



Show Theme: *Where in the World?*

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Presents their 53rd

*An Educational Experience
For the Entire Family*

Gem, Mineral & Fossil Show

Outstanding Minerals & Fossil Dealers
Gem, Jewelry & Lapidary Supplies
Demonstrations, Exhibits & Door Prizes
Jr. Booth for Kids

Delaware Technical & Community College
400 Churchmans Road (Rt 58)
Newark, (Stanton), DE @ Exit 4B, I-95

March 5-6, 2016

Saturday 10:00 am - 6:00 pm

Sunday 11:00 am - 5:00 pm

Adults: \$6.00 (\$1.00 off with this coupon)
Seniors: \$5.00

Juniors (age 12-16): \$4.00

FREE to Children and all Scouts in Uniform

Additional Information @ www.delminociety.net

↑ TAX FREE SHOPPING ↑

If you are planning a trip and want to know what clubs you might be able to visit, it would be worthwhile to visit the American Federation of Mineralogical Societies website. Check out their newsletter archives at <http://www.amfed.org/news/default.htm>.



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Bulletin Editor– In Transition

Life Members: Larry Harrison, Wendell Mohr, Juan Proaño, and George Durland.

Society Address: Gem, Lapidary, and Mineral Society of Montgomery County MD., Inc.

P. O. Box 444, Gaithersburg MD 20884-0444; Web Site: <http://www.glmsmc.com/>

All Society correspondence is to be sent to this address except that which is intended for *The Rockhounder* and its editor. Such items are to be sent to the editor's email address –

BulletinEditor@glmsmc.com

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Award Winning Bulletin
EFMLS, AFMS



TIME SENSITIVE
DATED MATERIAL
FIRST CLASS MAIL

THE ROCKHOUNDER
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