



The Rockhounder

June 2017

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.”

NOTE: Please send any submissions for the July-August issue of The Rockhounder to Editor Olivia Luzier at editor@glmsmc.com By Saturday, July 15, 2017.

Regular Meeting Announcements

Gary Leaman, Vice President

June Speaker Information:

June Speaker: Chuck Hyland

Title of Talk: “Disappearing rare gems and special stones in Tanzania and other regions of the world”

Two years ago, Chuck spoke on: “Why Some Gemstones Have Color Shifts (Particularly Sapphire and Garnet from Tanzania).” This month, Chuck will follow up with information about supply and demand in Tanzania and the difficulties obtaining rare and unique gems and stones.

Chuck Hyland’s Biography

Chuck is a fellow club member who went to college for geology at UVA. He started his career as a coal mine engineer. After an unfortunate accident at the mine where he was working, he decided that he wanted to have his career move in a different direction. He engaged in a variety of careers, including working the restaurant business and supporting the military.

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Next Regular Meeting:

Date: Monday, June 12, 2017

Time: 7:30 PM

Place:

Rockville Senior Center,
1150 Carnation Drive
Rockville, MD

Next Board of Directors Meeting:

There will not be a Board of Directors meeting for the month of June.

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In the 80's, Chuck refocused his work on gemology and worked at the Gemology Institute of America doing grading and research about inclusions in gemstones. This work led him into retail and since then, he has worked for Boone and Sons for over 27 years. He provides insurance claims and has written guidance to insurance industry processors to help them understand the reports they are reading. He has also written various articles on jewelry and stones.

Chuck's motto is "Every rock tells a story."

President's Message

Jonathan G. Harris

First, a great thank you to Dave Tiktinsky for organizing and many other members for helping operate the auction of lapidary material and equipment this past May. We put much idle equipment and material into hands that will use them. At our June meeting, we plan to auction off more specimens and material. This will be an excellent chance to grow your collection or get new raw material at a great price.

Also keep an eye out for field trip announcements via email and the Rockhounder. We had a very productive trip to the Vulcan Manassas Quarry this past Saturday. A single large boulder provided excellent specimens of chabazite, stilbite, and a third mineral that is likely mordenite. This boulder was worked by at least four different rockhounds and has more left on it. There were other finds of prehnite, apophyllite, stilbite, and calcite.

Trips to National Limestone's Mount Pleasant Mills and Middleburg Quarries and the Vulcan Stafford Quarries are already scheduled for June. A hat tip to Dave Fryauff and Sam Linton for great work in getting these field trips arranged.

Finally, congratulations to our Rockhound of the Year, Doug Baum. See the article by the Board for our descriptions of his accomplishments on behalf of our club.



GLMSMC Regular Meeting Minutes for May 8, 2017

Jeff Cessna

The May 8, 2017 meeting was called to order by President Jonathan Harris at 7:45 pm. There were approximately 45 people in attendance (38 adults, 7 juniors). It was M/S/P to approve the minutes of the April 10, 2017 regular meeting and of the April 17, 2017 Board meeting.

FRA: Mark Dahlman presented a whole bunch of badges in the FRA program. Earth & Space badges were presented to 4 participants and Showmanship was presented to 3.

Field Trips: Dave Fryauff discussed two upcoming field trips for May and an additional trip for June. See newsletter for details.

Membership: Doug Baum announced the visitors for the evening. All stood and introduced themselves and spoke of what brought them to our club. It was M/S/P to approve the memberships of Steven and Amanda Parker of Fairfax, and Steven and Melissa Hill and family.

Chris Luzier discussed the May 6th auction of lapidary equipment, rough and slabs. He thanked the volunteers. Chris Luzier will take the minutes of the Board meeting.

President: President Jonathan Harris encouraged members to visit the newly redesigned club website and thanked Ben Dodge for his work. The site now also works well with mobile viewing. Jonathan announced a silent auction and finalized it at the break.

Program: Gary Leaman introduced the speaker for the evening, our own Dave Fryauff. Dave discussed the geology of and rockhounding opportunities in North Carolina. Dave gave a perspective of the underlying formations using the geologic map of NC. Dave discussed the different mining districts and the many past mines in the state. An interesting display can be found in the Museum of North Carolina Minerals off the Blue Ridge Parkway. Dave went on to discuss the many remaining possibilities for collecting; yielding; and especially, many spectacular minerals for the micromineral collector. Dave answered several questions from an interested audience. Thanks, Dave.

Show table and door prizes were administered by Joel Rosen.

Adjournment: It was M/S/P to adjourn the meeting at 9:53 PM

Jeff Cessna, Secretary



GLMSMC Board Meeting Minutes for May 15, 2017

Jeff Cessna

The BOD meeting started at 7:34 pm with 7 Board members present, including Jonathan Harris, Dave Tiktinsky, Holly McNeil, Gary Leaman, Wendell Mohr, Joel Rosen and Chris Luzier. The auction was discussed and the excellent results that were obtained with all of the volunteer support on both days of the preparation of the lots and equipment and on the day of the auction itself. Special thanks went to Dave Tiktinsky for the promotion of the auction and Holly mentioned that it was the smoothest running auction that she had ever been a part of. There was also a discussion about another donation of material for auction from Pennsylvania that is in the process of being acquired. The logistics of this were discussed and an auction of a portion of this collection was discussed for September or October.

Joel discussed the need to have volunteers to be able to meet at the trailer storage area to assist with the organization and sorting of the older exhibit cases that are no longer in use. A tentative date of September 16th was discussed and Joel will also be ordering the new trailer in September as well. Gary mentioned that we are in good shape for program speaker's with one already booked for early next year. Good job, Gary!

The Rockhound of the Year award is being discussed by the nomination committee and it was decided not to have a June BOD meeting unless other business warrants one. There traditionally is not a June BOD meeting unless necessary.

The meeting adjourned at 8:45 pm.

Respectfully submitted by Chris Luzier

Future Rockhounds of America (The MOCKS) Ages 10-15

Mark Dahlman

Next Meeting Date: June 12

Meeting Time: 7:45-9:00pm

Meeting Location: Sunroom Cafeteria at the Rockville Senior Center

May 8th Meeting:

At our May meeting Mrs. McNeil started the group on the Earth Processes badge with a discussion and

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Future Rockhounds of America (The MOCKS) Ages 10-15

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exercise about igneous rocks. The badge covers the rock cycle, and the three types of rocks: igneous, sedimentary, and metamorphic. Mrs. McNeil taught the group how to identify the distinct types of igneous rocks, and the members present put the knowledge to use. We also learned about extrusive and intrusive rocks, and the effect that slow versus fast cooling has on intrusive rocks. Thanks to Mrs. McNeil! As always, everyone present left with a new specimen for their collection.

June 12th Meeting:

Continuing our work on the Earth Processes badge, Mrs. Holly McNeil will present sedimentary rocks to the group. Come and learn about the various kinds of sedimentary rocks, and how they formed.

Bring a friend if you'd like. See you at the meeting!

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

Rockhound of the Year – Gem, Lapidary and Mineral Society of Montgomery County MD

GLMSMC Board of Directors

We would like to recognize Doug Baum as our 2017 Rockhound of the Year. Doug initially became involved with the club to support his son's interest in our youth program. He soon volunteered to be our membership chairperson. He subsequently assumed responsibility for our show publicity and expanded outlets that reached many newcomers, including managing the Student Service Learning program. In addition, he has generated additional interest in the club by setting up and maintaining our Facebook page. Doug is a stalwart volunteer; cheerfully helping out in a variety of ways, his calm steadiness and good humor are especially appreciated. This is a much-deserved honor.



Field Trips

Dave Fryauff

Stafford Quarry: *Saturday, June 17*

- **8:00 AM-12:00 PM**
 - Regular safety gear (steel toed boots, eye protection, and hard hats)
 - Minimum age is 16
 - By special permission, it has been approved to utilize mechanical equipment like a hammer drill/generator. However, anything in that realm **MUST** be approved by the quarry's tour guide prior to going down into the pit. He will be examining it for quality and safety. Respect his decision if he tells you the equipment is a "no go." Even so, be super cautious... no using it near water (keep the cord out of water too), wear hearing protection, generator should be sitting on a solid foundation in a well ventilated spot (not near water), and ensure you have firm footing and balance. You really shouldn't be using it unless you have a huge boulder that refuses to yield its crystal face to a 20lb sledge though. Pieces tend to shear off and are useless, but a hammer drill should be able to preserve some since it is more accurate.
 - **100 Vulcan Quarry Rd, Stafford, VA**
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Editor's Note

Olivia Luzier

Be sure to take a look at our redesigned club website, courtesy of Ben Dodge! Check it out at:

<http://www.glmsmc.com/>.

This issue is full of fossils! We have an article about fossil-collecting in Ohio on the next page and then several article links about fossils. Hope you enjoy!



Ohio Fossil Trip

Sam Linton

I just completed a trip to hunt for fossils in Georgetown, Ohio. Fossils? Why is this in our newsletter? Well, I don't just collect any old fossils (pun intended)... I collect fossils that have crystals in them. In this case, I was after geodized brachiopods. They are easy to collect because they weather out from a road cut, virtually self cleaned. You just have to surface collect. I took my 6 and 8 year old kids and my older sister with me and we hounded for about an hour.... the kids were getting bored. In that time, we had collected about a 5 gallon bucket worth of complete bracs and some oddball stuff like cephalopods (there's a bazillion half shelled bracs of four varieties there, but we only take wholes). About one in a hundred whole bracs will be geodized. Even if they are not geodized, some are worth taking because they are super clean and huge. We culled through them and got rid of half... too small and/or too heavy to be geodized.

In all, we walked away with 15 bracs that were crystal filled. However, the highlight of the trip was me finding an ultra rare snail. Not only was it a snail, it was geodized. Out of five trips to the site, this was the first time I found one.



Dolomite and Dogtooth



Selenite

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Ohio Fossil Trip (Cont'd)

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Geodized snail



Whole bracs



Articles of Interest

Dave Fryauff

- <https://www.sciencedaily.com/releases/2017/05/170511165356.htm#.WRb6SViT2vA.email>
This is a cool fossil report on the discovery of the first flowering plants that appeared after the Cretaceous asteroid mass extinction that wiped out all non-avian dinosaurs.
- <https://www.sciencedaily.com/releases/2017/05/170512134423.htm#.WRb69gRwS1E.email>
This article is a place called the Gray Fossil Site in eastern Tennessee; 5-7 million year old fossils are found there.
- <https://www.sciencedaily.com/releases/2017/05/170509194434.htm#.WRb85ZzZrWQ.email>
Yet another new fossil report... Australian hot spring stromatolite fossils dated to 3.5 billion years old.
- <https://www.sciencedaily.com/releases/2017/05/170508112704.htm#.WRnNjiI9PuQ.email>
This article shows an interesting role for quartz in extending the life of Li-sulfur batteries.
- <https://www.sciencedaily.com/releases/2017/05/170508112409.htm#.WRnOPCv0mAs.email>
An analysis of the mineral zircon leads to this hypothesis: That the Earth was barren, flat, and almost entirely under water 4.4 billion years ago.
- <https://www.sciencedaily.com/releases/2017/05/170509083940.htm#.WRb8BpFdaAM.email>

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Upcoming Shows

The Chesapeake Gem & Mineral Society Auction!

Date: Friday, June 9th, 2017

(Preview at 7:00 pm, Auction starts promptly at 7:30!)

Place: Westchester Community Center

Address: 2414 Westchester Ave., Oella Md. 21043

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



Upcoming Shows

50 cents / lb. SALE
Fluorescent Minerals

June 10th & 11th

8 AM - 6 PM

Rain or Shine

Gerry McLoughlin Collection

Higher end specimens also for sale at 50% off

Also for sale:

**UV lamps, collecting tools, flats, blackout sheets,
cotton-lined boxes**

Letty Moon: 2560 Radcliffe Ave, Abington, PA 19001

Ph: [215-886-5278](tel:215-886-5278) Email: lettymoon@comcast.net

Light lunch provided

Bring: collecting buckets, portable lights, safety goggles,
knee pads, blackout sheets, packing materials



Upcoming Shows

The Southern Maryland Rock & Mineral Club is proud to sponsor the 2017

Eastern Federation of Mineralogy and Lapidary Societies (EFMLS)

Region IV Potluck Picnic and Rock Swap/Sale

Gilbert Run Recreational Park
Charlotte Hall, MD

Saturday, June 17, 2017
9 am - 5 pm

Admission to the Park is \$5 per carload
(No charge for swapping or selling)

"This is an old-fashioned rock swap where people who collect rocks, minerals and fossils will be selling and trading specimens"

Details

This is a **FREE event for all EFMLS rock club members and their families and friends**. In addition to minerals, fossils and lapidary for swap/sale each attendee/family is asked to **bring a potluck dish to share, and one labeled specimen donation** for an auction that will take place after lunch. The auction will help defray the cost of the event. There is ample parking for tailgate swapping/selling. **Please bring your own tables and chairs**. There are onsite restrooms and handicap access. **Donations of excess rocks and related tools to the "Treasure Box" are welcomed and are free for anyone to take**. The Southern Maryland Rock and Mineral Club will provide plates, cups, plasticware, sodas, and bottled water. **Go to SMRMC.org for more details.**

Schedule of Events
9:00 - 12:00 Swap and sell
12:00 - 1:30 Potluck Lunch and Auction
1:30 - 5:00 Swap and sell

Contact Person: Dave Lines (240)-427-7062

Dave.Lines@earthlink.net

Physical Address:

**Gilbert Run
Recreational Park**
13140 Charles Street
Charlotte Hall, MD,
20622

Directions:

From the D.C. Beltway:

Take Rt. 5 South (Exit 7A) towards Waldorf
Go 12.3 miles and turn left onto Mattawoman Beantown Rd. (Rt.5)
Go 3.2 miles and turn left onto Leonardtown Rd. (Rt.5).
Go 4.9 miles and turn right on Olivers Shop Rd.
Go 5.9 miles and turn left onto Charles St. (Rt 6)
Go 1 mile and turn left into Gilbert Run Recreational Park

OR

Take Rt. 301 to La Plata, turn left onto Charles St (Rt 6 East) and go 8.6 miles to Gilbert Run Recreational Park
Turn left into Gilbert Run Park and follow the signs to the Hilltop Pavilion Parking lot.

From La Plata, Md

From Rt. 301, take Rt. 6 East (Charles St) 8.6 miles
Turn left into Gilbert Run Park and follow the signs to the Hilltop Pavilion Parking lot.



Upcoming Shows (Cont'd)

53rd Annual Atlantic Coast Gem, Mineral, Jewelry, & Fossil Show

Saturday, September 23rd from 10 AM-5 PM

Sunday, September 24th from 11 AM-4 PM

Howard County Fairgrounds, West Friendship, MD

Hosted by the Gem Cutters Guild of Baltimore

For more information, see:

<http://gemcuttersguild.com/>

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>.





BOARD OF DIRECTORS

President – Jonathan Harris, 11932 Goya Drive, Potomac, MD 20854-3313, (301-545- 0808)

Vice President – Gary Leaman, 7524 Cinnabar Terrace, Gaithersburg, MD 20879-4577,
(301-963-3702)

Secretary – Jeff Cessna, 12116 Cliftdale Drive, Silver Spring, MD 20904-1941, (301-680-7963)

Treasurer – Tom Dushel, 108 Berrywood Drive, Severna Park MD 21146-2004, (443-514-6734)

Field Trip Chairman – Dave Fryauff, 24109 Sugar Cane Lane, Laytonsville MD 20882-4031,
(301-253-1687)

Membership Chairman – Doug Baum, 11205 Golden Meadow Ct., Germantown, MD 20876-1740,
(301-515-4641)

Downstairs Showchair – Holly McNeil, 22 South Duke Street, Rockville, MD, 20850-1014,
(301-605-7179)

Upstairs Showchair – Dave Tiktinsky, 9209 Laurel Oak Drive, Bethesda, MD 20817-1937,
(301-365-2812)

Property Manager – Joel Rosen, 833 Rampart Way, Union Bridge, MD 21791-9325, (410-775-7937)

Immediate Past President – Chris Luzier, 847 Springdale Drive, Millersville, MD, 21108-1436,
(443-995-5363)

EFMLS Liaison – Wendell Mohr, 9509 Emory Grove Road, Gaithersburg, MD 20877-3501,
(301-926-7190)

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(editor@glmsmc.com)

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

Website: <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 at editor@glmsmc.com.

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Award Winning Bulletin
EFMLS, AFMS



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