



The Rockhounder

March 2018

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 April issue of The Rockhounder to Editor Olivia Luzier at editor@glmsmc.com By Sunday, March 25, 2018.

Regular Meeting Announcements

Steven Calamuci, Vice President

March Speaker Information:

Speaker: Dr. Jeffrey E. Post, Ph.D.

Title of Talk: What's New in Smithsonian Gems and Minerals?

Dr. Jeffrey Edward Post is the Curator of the U.S. National Gem and Mineral Collection. His areas of research interest include mineralogy, gemology, geochemistry, crystallography, and electron microscopy. He has published more than 75 scientific articles in these fields.

Follow us on Facebook at

<https://www.facebook.com/groups/984241208329511/>

Next Regular Meeting:

Date: Monday, Mar 12, 2018

Time: 7:30 PM

Place:

Rockville Senior Center,
1150 Carnation Drive
Rockville, MD

Next Board of Directors Meeting:

There will be no Board of Directors meeting for the month of March, due to the show.

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President's Message

Ken Reynolds

Hi Rockhounds,

I would like to start by thanking John Sanfaçon for his inspiring presentation on "Agates, Jaspers, and their Kin." I really enjoyed learning how these minerals were formed. I was also fascinated by how distinctly similar and different they can look depending on the location where they are found. All week after his talk, I was searching through my collection to find Agates and Jaspers to study with a whole new appreciation. Thank you.

March is a busy month in our hobby with the start of many events and shows in our area; first and foremost is our club's show. It is hard to believe that the show is only a few weeks away. Our set-up day, March 16th, will come up quickly. If you have not signed up to help yet, please do!!

Our meeting on March 12th should be an exciting one with Dr. Jeffery Post from the Smithsonian as our speaker. I am sure he will have exciting tales of his adventures in Tucson, as well as what's new at the Smithsonian. Please be sure to attend!!

GLMSMC Regular Meeting Minutes for February 12, 2018

Karen Lottes

Meeting called to order 7:45 PM by President Ken Reynolds.

Announcements:

- EFMLS—The Club will need delegates to represent it at the annual convention in Raleigh, NC (April 4-9).
- A thank-you to the Carro family donation; they brought wavelite from Sweet Surrender Mine, Mt Ida, AK.

Move to accept the minutes from the January Board of Directors meeting.

Motion to accept the minutes as written.

Passed. Minutes were accepted.

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GLMSMC Regular Meeting Minutes for Feb. 12, 2018

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Move to accept the January Regular Meeting minutes.

Motion to accept the minutes as written.

Passed. Minutes were accepted.

Treasurer's Report: Holly McNeil

- The rental for the auction on April 14 has been paid.
- Andy had shop expenses for the Lapidary Shop for the show.
- We have received one dealer payment and dues.

Membership: Chris Luzier filling in for Doug Baum

We had new member applications from Fay Crowe, Eudovie Broussard, and their children Christopher, Savannah, Jaiden, and Julian from Warren, PA; and Germaine Broussard from Oakton, VA. Motion to accept all as new members. Motion passed.

Chris announced on behalf of member Frank Roddy about a book by author Bruce Bjornstad titled "On the Trail of the Ice Age Floods." Roddy also mentioned that there are ecotourism trips about following the path of Ice Age floods.

Show (Downstairs and Upstairs): Chris Luzier and Dave Tiktinsky

- We still need volunteers!
- Exhibitor forms are due March 1.
- Dealers are all set.

Auction: Dave Tiktinsky

- Let him know if you want to help with the auction.

Property Manager: Joel Rosen

- We will need people to help unload the trailers for the show on Friday (for set-up) and Sunday.

Program: John Sanfaçon spoke on "Agates, Jaspers, and Their Kin."

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GLMSMC Regular Meeting Minutes for Feb. 12, 2018

Continued from page 3

We had an amusing and fascinating talk on Agates and Jaspers. The difference between them is that agates are translucent and jaspers are opaque. Thunder eggs are formed when there is a violent eruption of rhyolite ash. After the ash has fallen on the magma, it begins to decompose. Then, silica is released and it forms into agate. In Russia, there are such large deposits of jasper that they mine it the way we mine marble or limestone.

Meeting adjourned at 10:02 PM.

GLMSMC BOD Meeting Minutes for February 19, 2018

Karen Lottes

Meeting was called to order at 7:40 PM.

Present: Jonathan Harris, Ken Reynolds, Dave Tiktinsky, Chris Luzier, Holly McNeil, Gary Leaman, Doug Baum, Karen Lottes, Dave Fryauff, Joel Rosen

Show:

- There was a question about whether or not we can put a banner on the fence at the Fairgrounds. Doug will look into the cost.
- We now have 31 exhibit cases—4 are fluorescent (all are shortwave).
- The volunteer situation is looking good, but we are still short for set-up and break-down.
- We must remind the dealers that they can't come in early, as it interferes with getting the show set up.
- Gary is going to make a photo display of what goes into making a pre-form.
- Chris went through the list of tasks that the Board members need to complete prior to the show. This included the delegation of bringing necessary small items for the show.
- Joel confirmed the raffle prizes. He and Holly will shop for the meeting prizes for Sunday. He has \$850 for this task.
- Joel checked the trailer and it looks good. He has arranged with Bill Wilkerson to move the trailer to the show.

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GLMSMC BOD Meeting Minutes for Feb. 19, 2018

Karen Lottes

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- Dave Tiktinsky sent the save the date email and sent 1900 postcard reminders for the show.
- Doug said that he has sent information about the show to local clubs, media, colleges, and social media. There was some discussion over possible places to send information about the show as well.

Auction: Dave Tiktinsky

- Ben Dodge has added a link for the auction on the website. We will be able to add photos of the specimens once we have them. Steve said he has taken the photos, but has not shared them yet.
- There are currently 135 flats that still need to be sorted. Not everything has labels. There was also a credit card discussion. Finally, we decided that we would encourage the owner to get a credit card reader.

Web Page: Ben Dodge

- We need to get some photos up for the show.
- We also need to get the next meeting announcement on the site.

Meeting adjourned at 9:25 PM.

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

Mark Dahlman

Next Meeting Date: March 12 **Meeting Time:** 7:45-9:00 PM

Meeting Location: Sunroom Cafeteria at the Rockville Senior Center

February 12th Meeting:

Congratulations to our seven members who completed the Gold Panning and Prospecting badge

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

Mark Dahlman

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requirements at our February meeting: Kaylee, Peter, Nicole, Colin, Izzy, Adrienne, and Luke! We'll award the badges at our March meeting at 7:45 sharp so don't be late. This badge was Nicole's sixth badge, which means she is our newest Rockhound—congratulations Nicole! Nicole will receive her Rockhound award at the March meeting as well.

March 12th Meeting:

After starting our meeting with awards, we will be working on the group exhibit for the show. This will also satisfy some of the requirements for the Showmanship badge. If you'd like to be in on the group exhibit about geodes, please come to the March meeting. It should be a good meeting—see you there!

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

The Importance of Looking Downward

Gerald Elgert

This Baltimore to Washington corridor of former iron mines and clay pits has been known now, for maybe 200 years, as "Dinosaur Alley." Not much evidence of that time exists any longer in recent history, at least on the surface, having been built over with commercial developments. In isolated places, a bit of that past timescape still exists as county parkland or federal research properties. Perhaps the best known is Dinosaur Park—a mere 7 acres on the boundary of a warehouse development, just south of Laurel. From excavations, an ecology of 112 million years' past is to be found buried beneath these recent

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*Exhibit image, courtesy of
Jon Wolz*



The Importance of Looking Downward (Cont'd)

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constructions. Now we can discover evidence of dinosaurs and their cousins, marine lizards, flying pterosaurs, and small primitive mammals that lived and died here. We find their fossilized remains, mainly as bones and teeth, but interestingly enough, we do not find foot prints, at least not until recently.

Enter Ray Stanford and his wife, Sheila, who used to work at the NASA-Goddard Space Flight Center property located just a few miles southward, along Greenbelt Road. In 2012, when Ray was dropping his wife off at work, he happened to look down at the ground and see this tiny piece of iron stone with what appeared to be the impression of a foot print. Ray later realized the impression was that of a nodosaur. With impending destruction probable because of building construction, the small slab was moved to a nearby Goddard storage building, where curator Stephen Godfrey and his staff from the Calvert Marine Museum made a resin cast of the slab. NASA's Jon Wolz suggested moving the cast in August 2015 to Ray's house so that he could highlight the nodosaur track and any other tracks that may have been there. With NASA's Compton Tucker's help, Jon moved the cast to Ray's house. Ray soon identified a baby nodosaur and a sauropod track on the cast as well. His next step was calling Matt Caranno, Curator of Dinosaurs at the Smithsonian, who verified Ray's identifications.

As Ray related to me, "Everybody else at Goddard was looking up, and I looked down." The tiny rock that Ray had found turned out to be the end of an ironstone slab three feet wide and eight feet long. This slab was covered with more than 70 tracks and other impressions of these now extinct monsters and more significantly, their newly created neighbors on their own path to evolution, the mammals. As University of Colorado paleontologist, tracks expert, and coauthor Martin Lockley

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Left to right: Stephen Godfrey, Compton Tucker, Ray Stanford, and Martin Lockley.



Left to right: Matt Caranno, Ray Stanford, and Sheila Stanford.

Photos courtesy of Jon Wolz, Gerald Elgert



The Importance of Looking Downward (Cont'd)

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observed, “We really have more mammal tracks on this single slab than almost all of the mammal tracks [known] from the age of dinosaurs.” Eventually the slab revealed five large pterosaur tracks and feeding traces, two large dinosaur tracks of a sauropod and a nodosaur, tracks of a crocodylian, a coprolite, an impression of what may be an invertebrate, four small theropod trackways, and 26 small mammal tracks of at least three species. *(See note below for publication details.)*



Ray’s discovery was back in 2012. Since then, Ray has worked with the cast and filled the tracks and other depressions with bright stream silt for greater visibility. There are plans to move the exhibit to the Goddard Visitor Center for public display. A technical paper has been published.



Thank you to Ray Stanford, Sheila Stanford, Stephen Godfrey and his staff from the Calvert Marine Museum, Jon Wolz, Compton Tucker, Matt Caranno, and Martin Lockley!

A diverse mammal-dominated, footprint assemblage from wetland deposits in the Lower Cretaceous of Maryland Scientific Reports volume 8, Article number: 741 (2018) Ray Stanford, Martin G. Lockley, Compton Tucker, Stephen Godfrey, and Sheila M Stanford.



Photos courtesy of Gerald Elgert



Show Table for February 12 Regular Meeting

** denotes self-collected

NAME	SPECIMEN	LOCALITY
Jeff Cessna	Genthelvite, Willemite	Sterling Hill, NJ
	Willemite, Calcite	Franklin, NJ
Reed Owens	Agate	Mystery Box #1
Ken Reynolds	Tampa Bay Agatized Coral	Tampa Bay, FL
	Lake Superior Agate	Wisconsin
David Tiktinsky	Amethyst	Iron Mountain, NC
Frances Becker	Agate (blue)	Unknown
Gary Leaman	Banded Agate	Madagascar
Diane Leaman	Decorative Agate	Brazil
Carro Hinderstein	Orbicular Jasper	Afghanistan
	Botswana Agate	Botswana
	Sardonyx	Unknown
Steve Calamuci	Agate, Tiger Eye, Unknown	Unknown
Herbert Close, Jr.	Crazy Lace Agate	Mexico
Karen Lottes	Rose Quartz, Spodumene,	South Dakota
	Agatized wood	
Pat Repik-Byrne	Agate coasters	Brazil
	Picture Jasper pendant	Oregon
Germaine Broussard	2 necklaces (Jasper/Agate)	Unknown
Lyle Peterson	Chalcanthite	Poland
Don Greaves	Ammonite	Morocco
	Rutilated Smoky Quartz	Brazil
King Stablein	Labradorite Turtle	Canada

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Show Table for February 12 Regular Meeting (Cont'd)

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NAME	SPECIMEN	LOCALITY
Nancy Shinowara	Blue Lace Agate + Drusy	South Africa
Chris Luzier	Tugtupite	Greenland
	Agate	Lake Superior
Joel Rosen	Granite Curling Stone	Ailsa Craig, Scotland
Katie Seitz	Beryl (Aquamarine)	Ray Mica Mine, Pisgah Nat. Forest, NC
	crystal , Mica, bulk	
	Tourmaline	
	Summerville Lace Agate	Summerville, GA
Chuck Mason	Agate	Madagascar, Mexico, Kentucky, + Peru
Steve Parker	Amethyst	Mt. Pleasant, PA
George Durland	Rhodonite micros	Sterling Hill Mine, Ogdensburg, NJ
	Friedelite on Willemite vein	“ “
	Hataerolite	“ “
	Willemite needles	Franklin, NJ
Conrad Smith	Malachite + Calcite	Black Cloud Mtn., Soeoro, NM
	Quartz crystal	Magdelenda Mountains, NM
Linda Smith	Rhodochrosite	Argentina

Door Prizes

Show Table: Barite with Quartz, Jinhouche District, Sichuan Province, China

Won by Ken Reynolds

General: Tiger Iron, Port Hedland, Western Australia

Won by Reed Owens



GLMSMC Auction Announcement

Dave Tiktinsky

The Gem Lapidary and Mineral Society of Montgomery County



We're having an AUCTION!



A vast quantity of material from the estate of a long time collection -- **many museum quality mineral specimens** as well as large and small cabinet sized from all over the world, including some closed locations. Some specimens are still in their originally wrapping.

Open to all – members and non-members, dealers. Please join us.

When: Saturday April 14

9:00am auction preview

10:00am live auction starts 3:00pm live auction ends

note: payment to be made in cash

Where: Rockville Senior Center

1150 Carnation Drive, Rockville MD 20850

A sampling of the material includes:

- Calcites, Barites, and Fluorites from Tennessee;
- Fluorite from New Mexico;
- Sweetwater and Elmwood, Tennessee Calcites;
- Zeolites from India;
- Calcites and Fluorites from around the world;
- Selenite from Mexico and Canada;
- Fine quality minerals from Morocco, US, China, and Spain;
- Pyrite from Peru;
- Amethyst Cathedrals;
- Too many others to list

For additional information and pictures of some of the material to be auctioned please see the GLMSMC website at GLMSMC.COM

There will also be a display case showing a sampling of the specimens at our annual show on March 17-18 at the Montgomery County Maryland Fairgrounds





Thin Section Field Trip (A Note from the President)

Ken Reynolds

To Make a Thin Section:

Polish a rock.

Glue it to a microscope slide.

Cut it off at about a thousandth of an inch.

Look at it through a polarizing microscope.

You are looking at a thin section, a research tool in geology for over a hundred years, and a way to make amateurs like me say "Wow!"

Like to look at some?

Come to the Thin Section Field Day, at the Annandale Campus of Northern Virginia Community College, on **March 24 and March 31**.

More info to follow.

If you plan to come, please RSVP to jfweidner42@gmail.com, so we know how many people to prepare for.

Show Update

Chris Luzier

Hello members,

Well, our 54th Annual Show is less than two weeks away and things are looking good!!! I have sent out the latest copy of the updated sign-up sheets via the members e-mail; that has all of the last volunteer spots that need to get filled. Your response has been excellent and most spots are filled! Where we really need help is at the Kid's Table with three spots (total), from 12-2 and 2-4 on Saturday and one at

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Show Update

Continued from page 12

10-12 and 4-6 as well. I am happy to report that Sunday at the Kid's Table is totally filled up!

There is one spot from 4-6 on Saturday for Hospitality and the same time for the Raffle. There is also a spot open at the Admissions table from 11-1 and another from 1-3. As far as the Lapidary Shop goes, there are some shifts that have five to six people signed up to cut cabs (awesome), and others that have only three or four (not quite as awesome). Please check the Lapidary sheets out and fill in where you can, along with un-dopping and sign-in. Finally, always we need more people for set-up and take down, but most especially take down.

We are looking really good for exhibit cases and I have everyone's forms submitted! Thank you all so much for showing off all of these wonderful cases! There is availability for one more fluorescent mineral case display. So if you want it, please let me know quickly, so I can finish the show program and have it printed. Just so everyone knows, we aim to start set-up on Friday at 9 am, and normally try to have all of the exhibit cases assembled by around 12:00. That means as soon as we are done with set-up, exhibitors can start stocking their cases. If you can get to the Fairgrounds earlier in the afternoon to set-up your case, that would be most helpful so all of us can get back home earlier and get a good night's rest before the two show days. Thank you in advance for getting there early for setting up your exhibit.

Your help and support with the show is invaluable and I appreciate all the hours and dedication that you give to the GLMSMC. We truly cannot do it without you!!!

Peace and thanks-Chris Luzier

Upcoming Classes

Active Montgomery Gemology Classes: Winter Session

Registration for Winter session Gemology classes in Active Montgomery is now open. Those who might wish to sign up should go to Active Montgomery and in the search box call up "Gemology." Both classes should appear with the opportunity to get additional info for each. If someone wants additional info beyond that, they should contact me, Tim Morgan, at timothyemorgan@mac.com for more. Classes begin Wednesday, Jan. 17 (Advanced) and Thursday, Jan. 18 (Intro). They will run until Wednesday, Mar. 14 (Advanced) and Thursday, Mar. 15 (Intro). Again, for further information, contact Tim Morgan at timothyemorgan@mac.com or call 301-325-3171.



Upcoming Shows

The Chesapeake Gem & Mineral Society Almost Spring Auction!!!

Date: Friday, March 9th, 2018

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

Place: Westchester Community Center
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 (Cont'd)

Adult Admission \$6 each
Group with this Ad. All \$5 each
11 and under Free!



March 17-18, 2018
Sat. 10 am-6 pm
Sun. 11 am-5 pm

Montgomery County
Fairgrounds
GPS: 39°8'44"N
77°12'22"W
Building 6
16 Chestnut Street
Gaithersburg
Maryland

The Gem, Lapidary, and Mineral Society of Montgomery County, MD.

Featuring:

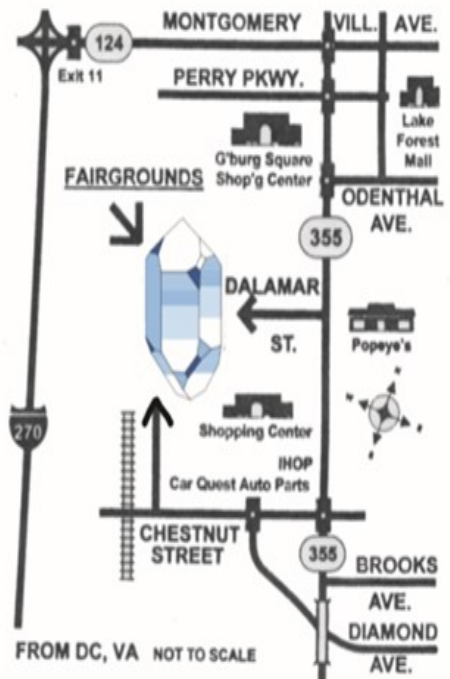
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|----------------------|------------------------------|-------------------|
| Door prizes | Free specimens for the kids! | Over 40 exhibits |
| Demonstrations | DIY cabachon making | Raffle |
| Fluorescent minerals | Free kid's mini mine | GPAA Gold Panning |

More than 20 dealers from around the country featuring:

- | | | |
|---------------|------------------|------------|
| Fossils | Jewelry | Beads |
| Minerals | Fluorescents | Meteorites |
| New age items | Gems & gem rough | And more |

www.glmsmc.com

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29th Annual North Jersey Gem, Mineral, & Fossil Show

Organized by the North Jersey Mineralogical Society

April 14-15, 2018

Midland Park High School, 250 Prospect Street, Midland Park, New Jersey

For info: <http://nojms.webs.com/annual-show>



Upcoming Shows (Cont'd)

48th Annual New Jersey Earth Science Association Gem & Mineral Show

Organized by the New Jersey Earth Science Association

April 28-29, 2018

NEW LOCATION:

Littell Community Center, 12 Munsonhurst Road, Franklin, New Jersey

(Indoor and outdoor show)

For info: <http://njesa.org/spring-mineral-show.html>

SOUTH PENN ROCK & MINERAL 33rd ANNUAL SWAP & SALE

Saturday May 12, 2018 from 8 am to 3 pm

South Mountain Fairgrounds, 615 Narrows Road, Biglerville PA 17307

General Admission: \$1

Students free

Sponsored by Central Pennsylvania and Franklin County Rock & Mineral Clubs

Pavilion in forest area-unheated

Food stand

Trade, sale, buy, talk, educate children! Lots of fun!!

To setup: \$5 per table inside or \$5 to setup outside (weather permitting)

Contact tsmith1012@comcast.net

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

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Vice President – Steven Calamuci, vicepresident@glmsmc.com

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Bulletin Editor– Olivia Luzier

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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