



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**

**Next Meeting: Monday October 13, 2014 7:30 PM**

Dave Titktinsky

Our speaker this month is club member, Jeff Nagy. His presentation, entitled "Mining Montgomery" will wet all of our appetites for digging in our local area. Jeff has been interested in geology and minerals since the age of 10 and is an avid field collector. His mineral knowledge is vast and he is always on the search locally for old mining areas lost to history.

**BOARD OF DIRECTORS MEETING**

The Board of Directors will meet 7:30 PM **Monday October 20, 2014** at the home of Andy Muir. Board members are expected to be there. Any member is welcome to attend, but please let Andy know if you plan to attend at [amuir21@comcast.net](mailto:amuir21@comcast.net) or phone 301-990-1370.

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**PRESIDENT’S MESSAGE:**

Let’s all welcome the autumn season, as the days are getting shorter and the nights are becoming crisp. Perfect days for digging, and great night dig weather too at the Franklin and Sterling Hill mining district in New Jersey. This is my favorite time of year, when the bugs are down and the snakes too!!! Jonathan Harris has once again, planned some excellent October field trips to enjoy all this weather. It doesn’t matter whether you want to dig fossils or minerals, both will be available in the month of October so watch your e-mail. Jonathan has also been graciously providing his time and effort in putting together our Rockhounder journal as our temporary Editor. We still need this position to be filled and would appreciate any willing candidate.

There are two items of business that will need to be discussed at the next meeting and voted on for passage. The first is that the Board would like to change an item in the by-laws that stipulates that we need to have two auditors for our annual financials. We believe this to be a bit redundant and becomes quite cumbersome as well, as our auditor is quite stringent already. We shall also be announcing the elected officers list, for your approval. If you would like to run for office, please let us know and we will add your name to the list, and hold the elections. As far as I understand, all the current board members have agreed to remain in their posts if they are elected. Please see the back page of this Rockhounder issue, for the current list of Officers and their posts for re-election.

We also will be having a small, silent auction of lapidary equipment at the next meeting, for you to further build your impressive shop, or to start a new one! This is a great and inexpensive way to learn about this interesting facet of the hobby (pun intended), without breaking the bank. There is quite a bit of investment casting equipment and material, electroplating equipment, and a large range of other eclectic items. The auction should move quite quickly and is just another way your mineral society wants to help its members!!!

Chris Luzier- President

## **BOARD MEETING MINUTES (SEPT 15 2014 MEETING).**

Andy Muir (recording), Wendell Mohr and David Fryauff editing.

Board Members present: Chris Luzier, Jonathan Harris, Wendell Mohr, Andy Muir, Pat Repik-Byrne, Holly McNeil, Joel Rosen, Doug Baum, Dave Tiktinsky. President Chris Luzier called the Sept. 15, 2014 meeting to order at 7:32 pm.

**EFMLS:** The board discussed the possibility of hosting a future EFMLS Annual Meeting. It would be held concurrently with our annual show (the third weekend in March, perhaps in 2016 or 2017) and would feature some additional banquets, talks, judged exhibits, and possible field trips. GLMSMC volunteers would be needed to support the planning and execution of the EFLMS activities, though some of the planning and hosting would be covered by EFLMS committees. The Board agreed to further consider the pros and cons at future meetings.

**Silent Auction:** Some lapidary and jewelry equipment and supplies previously donated to the Society will be auctioned at the October meeting.

**Show:** Major costs for the March 21-22, 2015 show were discussed, as well as some publicity considerations. Holly volunteered to lead the efforts sign up volunteers for various jobs at the show.

**Treasurer:** The treasurer's report had been presented by email and generated no discussion. The board discussed the (on-going) audit of the Society's financial records. It was M/S/P to recommend a change to the by-laws to require only one individual perform the auditing function (as opposed to two, as currently required). The Society membership will vote on this recommended change at a future Society meeting.

**Sundry:** A field trip is being planned for collecting fossils at Brownie's Beach on the Chesapeake Bay. The board discussed possible modifications to the raffling of a Junior Door Prize at meetings. The board also discussed the possibility of adding non-commercial, member-to-member classified ads to the Rockhoulder; some guidelines will be drafted and discussed at a future meeting.

The meeting was adjourned at 9:47 PM. Andy Muir, Secretary pro-tem

## **SOCIETY MEETING MINUTES: SEPTEMBER 8TH, 2014**

Dave Fryauff

The September 8th, 2014, meeting was called to order by President Chris Luzier at 7:45 pm, with approximately 50 (40 adults + 7 youth + 3 children) people attending. Members were active in renewing their membership and in looking over the collections of show & tell specimens that were brought in. Board members were reminded that this month's BOD meeting would be held on Monday, 15<sup>th</sup>. We have solid dates of March 21 & 22, 2015 for our Annual Show at the Gaithersburg Fairgrounds. Support from all GLMS-MC members is essential for the success of this show. The August 2014 meeting will feature a silent auction. GLMS-MC member Gerald Muirkirk who is working on a new public exhibit is looking for assistance in sawing and polishing a 12" section of petrified wood. Members were informed that the Franklin-Sterling Hill (New Jersey) Gem & Mineral Show & Outdoor Swap & Sell event will be held this month on Saturday & Sunday, September 27 & 28, at the Franklin School & the Sterling Hill Mine Museum, 7:30AM to 6:00PM. The last Sunday of the month (Sept. 28<sup>th</sup>) marks the only day in the month when daytime collecting is allowed in the Passaic Pit and "saddle" areas of the Sterling Zinc Mines (Mindat lists 243 mineral species & 23 Type Localities!!). It was M/S/A to approve the minutes of the August, 2014 regular and BOD meetings.

**Awards:** Mark Dahlman announced achievement awards (Maps) and badges (Stone Age Tools & Arts) by youth members. Congratulations go to Trevor, Cooper, Jonathan, Cassy, Ryan, Peter, & Jennifer for their accomplishments.

**Editor of the Rockhoulder:** The EFMS awarded former editor, Kristin Lomaugh, with its annual trophy for "Distinguished New Editor". The GLMS urgently needs to have a member step up to this position. Jonathan Harris, GLMS Field Trip Chairman has been generously giving his time to keep the Rockhoulder going and has made some important changes to simplify and streamline the job of editor.

**Field Trips:** Jonathan Harris reminded members that GLMS-MC was invited to participate with the NOVA club in a field trip on Saturday, September 13<sup>th</sup> to the Vulcan Quarry in Manassas, VA. Members must meet at the quarry office at 7AM and collect until noon. A field trip to the Kyanite Mine at Willis Mountain, VA is arranged for September 27<sup>th</sup> from 8:30 AM to 1 PM. Thanks to some sleuthing and assistance from EFMS members in Delaware, Jonathan has arranged a field trip to the Cornwall Mine Dump, Cornwall, PA for October 11<sup>th</sup> from XX AM to YY PM. Details and directions have been sent out by email to all members. Members must RSVP with Jonathan and come properly equipped with personal protective equipment.

**Eastern Federation (EFMLS):** Wendell Mohr brought to GLMS-MC members attention a new exhibit at the National Geographic Society Building in Washington, DC: "Spinosaurus, the lost dinosaur of the Cretaceous" with speakers on October 16<sup>th</sup>. Space is limited!!!

**Treasurer's Report (Holly McNeil):** The only financial activity reported since June was membership dues and one minor expense. Our operating reserves, net of the Lillian Turner designated funds, is \$30,831.55. GLMS-MC member Tom Parnell has been working on an auditing of the books for 2013. Year to date we are at a positive operating budget of \$5,975.98.

**Visitors:** Peter Alexander (Rockville, MD) and Ben Dodge, (Rockville, MD), a recent graduate of Penn State Univ. were welcomed and it was M/S/P that they be accepted as new members.

**Vice President (Dave Tiktinsky):** Announced that any and all GLMS-MC members are welcomed to serve as speakers at our monthly meetings. Key elements of the presentation should be: 1) Interesting to all levels of attendance, 2) Enlightening-informative, 3) Non-scientific and non-technical, 4) Have a theme and follow it, and 5) Make it Visual.

**Presentation:** VP Dave Tiktinsky introduced Dr. Wayne Sukow, a graduate of Michigan Tech, a member of the National Science Foundation, previous assistant director of Wildacres, and president of the Eastern Federation of Mineralogical Societies. His presentation, which received the highest award given by the American Federation of Mineralogical Societies (AFMS) in 2011 was entitled: "Red Gold and Polished Agates: Upper Michigan's Hidden Treasures".

Many, if not all members of the GLMS-MC share a special interest in agates, and archeological research has found evidence that we humans have had a fascination with agates for thousands of years. Wayne Sukow introduced us to the geological fact, and beauty of copper agates, that he has been collecting and studying for many years. The upper Penninsula of Michigan had once been the site of a major copper boom in the U.S., with hundreds of mines and millions of tons of rock processed for copper.

One of those mines, the Wolverine No. 2 has been the source of the enigmatic copper agate. Enigmatic, because few of these copper agates were collected, and the once rich mine dump that yielded them has vanished....all its rock has been reprocessed and turned into the raised bedding beneath asphalt roadways.

Thanks to Dr. Wayne Sukow, the secrets of these agates has been coming to light and we understand that the unique colors and patterns derive from such minerals as cuprite-chalotrichite (red), tennorite (black), green (malachite, epidote, & chlorite), silver (blue), quartz-chalcedony (white), Calcite-iceland spar (clear), and bornite (iridescence).

**Prizes:** The Show Table winner of a rare, polished copper-silver-datolite agate, donated by Dr. Wayne Sukow, was John McKee. The general Door Prize of a small cabinet size specimen of smokey quartz on orthoclase feldspar from Moat Mtn., New Hampshire, was Diane Leaman.

**Adjournment:** It was M/S/P to adjourn the meeting at 10 PM

*Dave Fryauff, Secretary*

# PALEONTOLOGIST QUIZ

Wendell Mohr

## STUDY OF FOSSILS

Scientists who study fossils have professional careers in many fields. Their jobs include field collecting, conducting research, teaching, and preparing museum exhibits.

What is the name given to scientists who study fossils? Write the name of each picture in the correct spaces.

One letter from each word  will help spell out the answer (Read down).



A		P	L	E	
C		R			
B		O	C	K	
B		L	L		
H		U	S	E	
A		T			
S		O	P		
D		G			
		I	O	N	
H		T	D	O	G
I		L	O	O	
B		R	D		
		T	A	R	
		R	E	E	



## WEBSITES OF INTEREST

Wendell Mohr

**Pinnacle Minerals L.L.C.**, website, is at <http://www.pinnacle5minerals.com/>. You may have viewed some of their operations on weather channel programs on TV. I was impressed that his group was the only one filmed following good safety practices in their mining. Click "Enter Here" at the bottom of the front page and explore what the group is doing at Crystal Peak, Tarryall, and Mount Antero in Colorado and other interesting topics. You may visit the claims. Pinnacle 5 Minerals is a family operated business at Manitou Springs, Colorado. Joe Dorris is an author, an artist, and a dealer which by tradition we do not endorse.



[Amazonite & Smoky Quartz.](#)  
[Source pinterest.com](#)



[Wikipedia Photograph](#)

**Mystery of Sailing Stones of Death Valley Solved** is by Scripps Institute of Oceanography <https://scripps.ucsd.edu/news/mystery-solved-sailing-stones-death-valley-seen-action-first-time>, part of the University of California at San Diego. Race Track Playa in the northern part of Death Valley has 100's of rocks up to 700 pounds leaving trails spanning 100's of yards. Using interesting scientific methods paleobiologist Richard Norris reports on first-hand observations of the phenomenon solving an age old geological question of how they happen.

**Botswana's Scintillating Moment** at <http://www.gia.edu/gems-gemology/summer-2014-weldon-botswana-scintillating-moment> is authored by Robert Weldon and Russell Shor of the GIA. They trace the development of diamond resources, a joint venture of DeBeers and Botswana. It has the capacity to make ready for market almost 45 million carats of rough per year, or about 40% of the world's total annual diamond supply. In an extensive report they cover the social and economic impact, not only of diamonds, but



[Photo R.Weller/Cochise College](#)

also other economic investment opportunities. As of early this year, 21 factories are licensed to facet diamonds in Botswana thus affording more employment opportunities for the locals. The small population and HIV are negative social problems. Don't miss the clips and pictures.

## MEETING PHOTOS

Wendell Mohr



Above: Left-Right—Three scenes of Mini Miners, Speaker Wayne Sukow



First Row From Top Door prizes, Joel Rosen showing door prize, Barite from Hartsel, CO, Vance collection items from Chuck Mason, Ammonite, Bavaria John McKee,

Second Row: Wildacres Projects from Francis Becker, Jeff Cesna with specimen and UV light, Francis Becker, Dianne Lehman, Wendell Mohr

## FIELD TRIPS

by Jonathan Harris

### Upcoming Fieldtrip Summary

Date	Time	Site	Site Type	Min age	Hrs from Rockville	Geology/Specimens(*-sometimes fluorescent )
10/11/2014	9am-	Cornwall dumps	Golf course property; old mine dump	10	2.5 hr	iron mine dump-magnetite, garnet, epidote, azurite, malachite, copper, chalcopyrite, pyrite, rhodonite, hematite
10/26/2014	10:30am-1pm	Bay Front Park (aka Brownies Beach)	Beach with fossils along Calvert Cliffs	None	1hr	Famous Calvert Cliffs marl. Beach collecting of sharks teeth, ray chewing plates, fossil shells, whale and porpoise bones.
11/1/2014	9am	National Limestone Quarry	Active quarry	10	3 hr	sandstone with wavelite*, turquoise, cacoxenite, quartz, marine invertebrate fossils ;limestone with: calcite*, flowstone*, strontianite*, celestite, sphalerite, hydrozincite*

**Saturday October 11, 2014** 9am- Cornwall Dumps, Lebanon, PA Collect at the dumps of the historic Cornwall iron mine. The series of mines operated from 1732 to 1973. See <http://www.mindat.org/loc-3653.html> for information about the mine and minerals found. These dumps have been noted sources of micro-mounts.

Also, if you have the time nearby, The Cornwall Iron Furnace has a museum with some of the historic buildings and a furnace restored and offers tours. Our family visited this site about 12 years ago. I will not have time to stay as I need to be back in Rockville by 3:30pm.

Please RSVP to me by October 9.

Meet at 9am at the Iron Valley Golf Club. Park in the lot. We can walk together. If you are late the directions are below. There are no age restrictions; children must be with a parent and parents should be aware that the site may have hazards, such as opportunities to fall or drown (i.e. there is a lake---a flooded mine).

This is not an active mine; however it is still private property. Please note our waiver and rules still apply, but you won't need the hard hats or steel toed boots; however sturdy shoes/boots are highly recommended unless you enjoy physical therapy and paying a lot of doctor bills. You will need gloves, long pants, and eye protection.

Location of meeting place: Cornwall Mine Dumps, Iron Valley Golf Club, 201 Iron Valley Dr, Lebanon, PA 17042. For directions please consult the email or use mapping software.

Travel Time from Rockville 2hrs 15minutes.

Walking from parking lot:

Walk behind the clubhouse. You'll pass about a bazillion golf carts on your right.

Walk west on the golf cart path. The path is immediately behind the clubhouse.

Almost as soon as you pass the clubhouse, the path splits. Take the right-hand path.

This path takes you up to, and across, Iron Valley Dr.

The path forks in a little bit...stay left

The path loops to the right, and then back to the left.....stay on it

In a very short while you'll be at the top of the tailings pile. If you don't see it, it's because a bit of a berm on your left is obscuring it.

**Sunday October 26, 2014** 10:30-am-1PM, Bay Front Park (aka Brownies Beach) Chesapeake Beach, MD, along northern end of Calvert Cliffs.

Mark Dahlman will be leading a fossil collecting fieldtrip to Bay Front Park (Brownie's Beach). Meet at the parking lot @10:30am on October 26. Low tide should be at about 11:45 AM. Brownies Beach is just South of Chesapeake Beach along the famous Calvert Cliffs. Children are welcome and must be accompanied by a parent.

By attending you agree to our waiver of liability below. Please RSVP to myself and Mark Dahlman (mddahlman@yahoo.com ) by replying to this message or making sure the words in the subject heading of this message are in your message.

Also be aware of the following safety rules and issues:

- 1) Absolutely no digging into the cliffs. This is illegal.
- 2) The cliffs have unstable parts that could drop trees or large chunks of clay and rock on people. People have been killed in some of these accidents. There should be plenty of places to go that are not right under the cliffs. We will not restrict you--if you or your family go under the cliffs it is at your risk.
- 3) When the tide causes the water level to rise, it will reach the cliff base in spots. Don't get trapped.

Directions to Bay Front Park (Brownie's Beach)

Take the Beltway exit 11A onto Rt 4 South (Pennsylvania Avenue) towards Upper Marlboro.

From Rt. 4:

Take a right at the traffic light (Rt. 261/Bayside Road) as you enter Town and continue south.

Pass through the next light (Mears Road) and travel one mile. On the right is Beach Elementary School for auxiliary parking for busy weekends and holidays.

Regular Parking: if you were to continue south on Rt. 261, Bay Front parking lot is ¼ mi. on the left hand side.

See [http://www.chesapeake-beach.md.us/attractions\\_bayfrontpark.html](http://www.chesapeake-beach.md.us/attractions_bayfrontpark.html)

**Saturday November 1, 2014.** 9am-. National Limestone Quarry, Mt. Pleasant Mills, PA.

If there is sufficient interest, then it is likely we can all go to the nearby Middleburg Quarry. This is a great site for wavelite, strontianite, fluorite (purple masses) and more recently varascite and turquoise. Collectors should bring a specimen from some other location for Eric Stahl, the manager of National Limestone Quarry. If the operator blasts in certain sections, celestite and sphalerite might also be found.

The trip will start at 9am at the quarry office. Mt. Pleasant Mills is about 3-3.5 hours away, but it is worth it! Children are permitted 10 and older, but a parent must stay near and supervise their children and leave the quarry with them if they get too restless to be safe.

Please RSVP by October 29. Quarries are now often requesting that we have a minimum number of people so that their employees' time will be used effectively. Thus it is important that people who sign up on these and other trips attend.

**Directions:**

Time Mile Instruction For Toward

Summary: 150.7 miles (2 hours, 50 minutes)

9:00 AM 0.0 Depart 11932 Goya Dr, Potomac, MD 20854 on Goya Dr (North-West) 174 yds

9:00 AM 0.1 Turn RIGHT (North) onto Seven Locks Rd 0.1 mi

9:00 AM 0.2 Turn RIGHT (East) onto Montrose Rd 0.4 mi

9:02 AM 0.7 Take Ramp (RIGHT) onto I-270 Local [Dwight D Eisenhower Hwy] 2.2 mi I-270 / Frederick  
 9:04 AM 2.9 Take Ramp (LEFT) onto I-270 [Dwight D Eisenhower Hwy] 26.7 mi I-270 / Frederick  
 9:30 AM 29.5 Road name changes to US-40 [Baltimore National Pike] 0.6 mi  
 9:30 AM 30.1 Road name changes to US-15 [US-40] 68.3 mi  
 9:56 AM 55.9 Entering Pennsylvania  
 10:42 AM 98.4 Bear RIGHT (North-East) onto Ramp 153 yds PA-581 / I-83 / Harrisburg / Hershey  
 10:42 AM 98.5 Take Ramp (RIGHT) onto SR-581 [Harrisburg Expy] 2.1 mi  
 10:44 AM 100.5 Road name changes to I-83 1.2 mi  
 10:45 AM 101.8 At exit 43, turn RIGHT onto Ramp 0.6 mi State Capitol / 2nd St  
 10:46 AM 102.3 Turn RIGHT (East) onto Paxton St 0.3 mi  
 10:46 AM 102.6 Turn LEFT (North) onto SR-230 [S Cameron St] 0.7 mi  
 10:48 AM 103.3 Keep STRAIGHT onto SR-230 [N Cameron St] 1.3 mi  
 10:50 AM 104.6 Road name changes to N Cameron St 54 yds  
 10:51 AM 104.6 Road name changes to US-22 [N Cameron St] 0.5 mi  
 10:52 AM 105.2 Keep STRAIGHT onto US-22 22.3 mi  
 11:16 AM 127.5 Keep RIGHT onto Ramp 0.2 mi PA-34 / Newport / New Bloomfield  
 11:16 AM 127.7 Take Ramp (RIGHT) onto SR-34 [Red Hill Rd] 4.5 mi PA-34  
 11:22 AM 132.2 Keep STRAIGHT onto SR-34 [Hunters Valley Rd] 3.2 mi  
 11:25 AM 135.4 Turn LEFT (North) onto US-11 [US-15] 6.1 mi  
 11:38 AM 141.5 Turn LEFT (West) onto SR-104 8.5 mi

Find your way to Mount Pleasant Mills, PA which I got to show on Yahoo Maps. Mount Pleasant Mills is located at the junction of Routes 35 and 104. >From this junction, go north on Route 104 about one-third of a mile and make the first left turn (Heister Valley Rd). Proceed a little ways to the first left turn on this road (sorry, didn't get the name) and your are at the Quarry entrance.

## EVENTS OF INTEREST

- **Oct 8, 2014-** Geology Walk - Great Falls, an Oasis (and Rockville Science Center) program led by Dr. Phil Justus, geologist. 9:45 - 12:15. On your feet 2+ hours. Fee \$15. You must be an Oasis member (this is free). Information <oasis.org/washington> or call 301 469 6800, press 1, X211.
- **Oct 13, 2014-** Society Meeting. 7:30 PM (see announcement in this Newsletter)
- **Oct 18, 2014-** Mineral Garage Sale of Collection of Cynthia Payne (assembled over 50 years). 10am-4pm. The Fisher's garage - 14981 Gold Post Ct., Centreville, VA 20121. Contact Susan and Ed Fisher. Susan and Ed Fisher, [703-830-9733](tel:703-830-9733) for additional information if needed. Parking is limited so carpooling is encouraged. Please park on the circle and walk up the pipe stem drive to the Fisher's and enjoy!
- **Oct 25, 2014** – Southern Penn Fall Swap & Sale, South Mountain Fairgrounds, 1.5 miles west of Arendtsville, PA on Route 234. GPS address 615 Narrows Road, Biglerville, PA 17307. 8 AM- 3 PM Admission Adults \$1.00.; Children free. Sponsored by Central Penn and Franklin County Rock and Mineral Club. \$10 to setup to sell(first come first serve for setup. Contact [tsmith1012@comcast.net](mailto:tsmith1012@comcast.net).
- **Oct 25, 2014** – Ultravioletation 2014 Fluorescent Mineral Show. First United Methodist Church, 840 Trenton Rd, Fairless Hills, PA. 9 AM-4PM.adults \$2 donation, kids 12 and under free. Sponsored by The Rock and Mineral Club of Lower Bucks County.
- **Oct 26, 2014** – Fall Auction of the Gem, Lapidary, and Mineral Society of Washington, DC. 12-5PM. Woman's Club of Bethesda, located at 5500 Sonoma Road, Bethesda, MD 20817. Features minerals from the collection of Cathy and Bruce Gaber and much else. Al DeMilo, 301.262.6014, [abdemilo@verizon.net](mailto:abdemilo@verizon.net).
- **Nov 1-2, 2014** -- 45th Gemarama by the Tuscarora Lapidary Society, at CFS, The School at Church Farm, 1001 E. Lincoln Hwy, Exton PA 19431/ Info.: [www.lapidary.org](http://www.lapidary.org)

- **Nov 8-9, 2014** – Bead Bazaar. Saturday from 10AM – 5PM, and on Sunday 11AM – 5PM. Activity Center at BOHRER PARK, located at 506 S Frederick Ave, Gaithersburg MD 20877. See <http://www.bsgw.org/next-bazaar>
- **Nov 22-23, 2014** – Northern Virginia Mineral Club, Annual show, George Mason University, Fairfax, VA.
- **Jan. 11, 2015**, "Rocks on the Mall", an Audubon Naturalist program lead by Joe Marx, 1 - 4 pm. Walk a 2 mile loop to see type, manner of formation, and place of origin of rock in facades, fountains and walls. Audubon members \$24 ,nonmember \$34. Information: <[www.ANShome.org/adultnatureprograms](http://www.ANShome.org/adultnatureprograms)> and click on "Register Online" or call Pam at [301 652 9188 X16](tel:3016529188).

## CRYS FOR HELP AND SPECIAL REQUESTS AND OFFERS

Jonathan Harris

Some queries come to us from people wanting help or advice related to minerals. Please send me any responses so I can forward them to the asker (I am not posting their email here).

**Finishing and fossil embedded chess board:** Dave Evans writes: I am looking for any help or guidance Society members may be able to share in refinishing a chess board constructed of stone with embedded fossils. The playing surface of the board was covered in some sort of acrylic, which has chipped and splintered in a number of places. I was wondering if there was a shop in the area that might be able to remove the original coating and reseal it? Any leads you can provide would be much appreciated. Thank you,

**Cutting Thundereggs from Oregon.** Cheri Mercurio writes: Hello- I have thundereggs from oregon. Is there anywhere near bethesda that I can get them cut?

## SCENES FROM WILLIS MOUNTAIN FIELDTRIP

Jonathan Harris



## VOLUNTEERS WANTED BY THE SMITHSONIAN



**Share Your...  
Regard for Rocks**

**Volunteer at the National Museum of Natural History  
in The Janet Annenberg Hooker Hall of Geology, Gems & Minerals**

The Hall of Geology, Gems and Minerals contains thousands of world-class rocks, minerals and meteorites that tell fascinating stories about how our planet and solar system were formed and continue to evolve today. Volunteers will enhance the visitor experience by providing visitors with unique experiences and a wider understanding of how geology impacts in our daily lives.

**AS A VOLUNTEER, YOU WILL:**

- Introduce visitors to the exhibit and answer questions
- Enhance visitor experience by encouraging visitors to think more deeply about geology
- Help visitors understand how geologic objects can tell us about Earth's past, present and future
- Engage visitors in interactive discussions about geology and how it relates to current issues

**TRAINING:**

- 5 evening sessions beginning in late October
- Will include: Scientific content in meteorites, plate tectonics, and minerals & gems,
- How to engage diverse audiences
- Training will be led by museum educators from and researchers

**QUALIFICATIONS:**

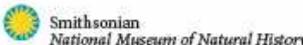
- Interest in understanding geology
- Comfortable working with diverse audiences
- Good communication skills
- No prior knowledge of geology necessary, but teaching experience and a science background are a bonus
- Ability to multi-task



**WE PROVIDE THE TRAINING. YOU PROVIDE THE PASSION.**

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For more information, please email [NMNHVolunteer@si.edu](mailto:NMNHVolunteer@si.edu)



# THE GEM, LAPIDARY AND MINERAL SOCIETY OF WASHINGTON, DC

Invites You to Our

## 2014 Fall Auction

Featuring unique minerals from the Catherine J. and Bruce Gaber Collection

Plus

gemstones, jewelry, lapidary rough, books, beads, fossils, and more

**Sunday, October 26, 2014**

**Preview, Noon–1 pm**

**Auction (live and silent), 1–5 pm**

Cash and personal checks accepted  
(Third-party checks will not be accepted)

**Woman's Club of Bethesda**

**5500 Sonoma Road**

**Bethesda, Maryland 20817**

Free parking at rear of building and on side streets

Contact:

Al DeMilo, 301.262.6014, [abdemilo@verizon.net](mailto:abdemilo@verizon.net)  
Imelda Rocha, 301.728.2366, [imprevention@gmail.com](mailto:imprevention@gmail.com)  
Mia Schulman, 301.216.5546, [mia75@comcast.net](mailto:mia75@comcast.net)

For directions see: [www.bethesdawomansclubmd.com](http://www.bethesdawomansclubmd.com)  
or [www.womansclubofbethesda.com](http://www.womansclubofbethesda.com)

Visit club website at: <http://www.glmsdc.com>  
301.728.2366



## BOARD OF DIRECTORS

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