



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.”

FROM THE EDITOR

The June meeting is our last regular meeting for the summer, but not the last time we will see each other before September. There are field trips planned that will, hopefully, bring us together. I hope that some of you will take pictures and send them to me with a brief report so we can see how you spent your summer. Have a safe and successful summer.

On another note, I will no longer be posting all the individual classes in the Upcoming Events section. Many local clubs offer classes and I encourage you to visit their websites if you are interested in furthering your lapidary education. I have posted the general classes and website information in the Upcoming Events section.

Kristin Lolmaugh

REGULAR MEETINGS

Meetings are held the 2nd Monday of the month from September to June. The Society will meet on **Monday, June 10, 2013**, in the dining room of the Rockville Senior Center, 1150 Carnation Drive, Rockville. A short business meeting will begin at 7:45 pm, but the room is available to us at 7:30 pm.

Our speaker in June will be our own club member, Andy Zarins. He is a relatively new member to our group and has graciously volunteered to share some of his time and knowledge with us. The title of his presentation is "West Texas Agate: Origins and Geologic History." I am always amazed at the depth and talent that our group has at its disposal – we are truly fortunate. Andy studied geology at the University of Nebraska, with an emphasis on silica geochemistry and silica diagenesis. He worked for 3 years at the Nebraska Geological Survey on mid-continent glacial stratigraphy and tephrochronology (volcanic ash dating) in conjunction with a NSF grant. He also spent one year of engineering geology in Nebraska and Wyoming with Hoskins-Western-Sonderegger and 7 years of petroleum exploration in the Gulf of Mexico. This also took him to South and West Texas, the Arkoma Basin, Northeast Oklahoma Platform Shelf, Kansas, Nebraska, and Wyoming. These duties were performed for Texaco, Sun Exploration, and Baruch-Foster. He also spent 15 years in the field of environmental geology and hydrogeology, primarily for the state governments of Nebraska, Ohio, and Maryland, and various consulting companies. Mr. Zarins is currently semi-retired.

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BOARD OF DIRECTORS MEETING

Meeting will be held **Monday, June 17, 2013**, at the home of Andy Muir. All Board members are expected to be there. Any member is welcome to attend but kindly let Andy know if you plan to attend at amuir21@comcast.net or phone 301-990-1370.

Deadline for the September issue of *The Rockhounder* is August 25, 2013.

PRESIDENT’S MESSAGE: HELLO FELLOW ROCKHOUNDERS

My wife Patricia does not share my obsession with rocks. When I scoured the planet for new treasures, my wife will sit in the truck and read. So when she became enamored with the florescent minerals, I saw my opportunity to get Patricia hooked.

Over the river and through the woods, brought us to the Sterling Hill Mine Super Dig. We took mine tours, smashed rocks, ate hot dogs, took power naps and waited for the sun to go down. Everywhere a UV light shone,

the rocks glowed. One wall of the pit was lit to reveal a 30-foot tall glowing cliff. What an adventure! And now Patricia excitedly displays her new finds to impressed visitors. Another helpless soul muttering to herself, "Must get pretty rock." My work is done.

And now for something completely different! Holly will be stepping down as FRA teacher and switching jobs with Mark as the upstairs show chair. Marvelous Mark and Mighty Mocks, what a name for a band! Thanks to Holly and Mark for their continued service.

On a completely different topic, the June meeting is the last of the season. You can nap, organize your collection and ponder yet again, "What am I going to do with all these rocks." Keep looking down.

Andy B, Prez

CLUB MEETING MINUTES: MAY 13, 2013

The May 13, 2013 meeting was called to order by President Andy Celmer at 7:46 pm, with approximately 80 people attending. It was M/S/P to approve the minutes of the April 8, 2013, regular meeting and of the April 15, 2013, BOD meeting.

It was M/S/P to accept the membership applications of returning members, Skip, Heather, and Corrine Hughes.

Field Trips: Jonathan Harris discussed several upcoming field trips. He brought material from Gettysburg, Meckley, and Medford Quarries to give away. Jim Kostka mentioned additional trip opportunities lead by other clubs. Jim brought wavellite, and chalcedony from Superior, AZ to give away. Rod Towers brought material from several localities to give away.

EFML Liaison: Wendell Mohr mentioned the upcoming Chesapeake Gem & Mineral Society show. He brought several issues of *Rock & Gem*, *Rock & Mineral*, and *Lapidary Journal* to give away. Members should bring these and other magazines they have to the club show to give away. Member Jack Busch sends his regards.

Presentation: Vice president Chris Luzier introduced the speaker for the evening, Bob Farrar. Bob gave a presentation on The Land of Amethyst (and more). As two of many geology-related tours Bob has taken, he has visited southern Brazilian state of Rio Grande do Sul. The area is a major supplier of amethyst and agate geodes found in the Paraná flood basalt. After a description of the area and the geology, we were led on a photo tour of the mining and preparation process for amethyst cathedrals. The former gas bubbles are filled with amethyst over tens of millions of years. In the mine they are all oriented vertically in one layer. Once found they must be individually worked out of the matrix by hand, even those up to 20 feet tall. We were shown the large implements for cutting and polishing such large objects. Also shown was the crack and missing crystal repair process, which is why all cathedrals are painted on the outside. Which one was repaired? Finally other local Brazilian sites were shown including the Amethyst Museum, Amethyst Winery, and the Amethyst Church with 40 tons of amethyst lining the walls. Thanks Bob.

Board of Directors: During the break the board of directors met. It was M/S/P to allocate up to \$3100 for Joel Rosen to purchase and register a new trailer, with necessary accessories, to house the recently purchased show display cases.

Treasurer: Andy Muir reported very little income. Some remaining show expenses were paid. A \$500 donation was made to support field trip expenses of the Geology Department at James Madison University, in recognition of the efforts of Dr. Lance Kearns during a field trip to his facility. The club continues to do well financially.

President: Andy Celmer noted that the club was looking for a delegate to attend the EFMLS convention. The delegate would get a \$200 stipend, but must be an active member in good standing and write an article on the convention.

Door Prizes: Rod Towers administered the junior's door prize. Joel Rosen administered the drawings for the door prize and show table prize.

Adjournment: Meeting adjourned at 9:55 PM. Jeff Cessna, Secretary.

PRIZE WINNERS!

Junior Table:

Prehnite with Calcite, Prospect Park, NJ & Merycoidodon Wilbertsone (fossil jaw section), White River Badlands, DC – Johathan Baum

Show Table:

Hemimorphite, Chihuahua, Mexico – Jonathan Harris

General:

Ammonite Fossil Pendant – Frances Becker

CONGRATULATIONS!

Jeff Cessna, Secretary

BOARD MEETING MINUTES: MAY 20, 2013

President Andy Celmer called the May 20, 2013 meeting to order at 7:37 pm.

Board Members present: Andy Celmer, Jeff Cessna, Jonathan Harris, Kristin Lolmaugh, Chris Luzier, Wendell Mohr, Andy Muir, Pat Repik-Byrne, and Joel Rosen; **Guests present:** Mark Dahlman, Holly McNeil; **Board Members not present:** Doug Baum, Eric Kindahl, Rod Towers.

Treasurer: Andy Muir presented a treasurer's report (see regular meeting minutes). Andy read a thank you letter from Lance Kearns, noting the funds will be used for a field trip to Franklin, NJ. The 2011 audit results were distributed to members. The 2012 audit is in progress. Andy submitted the required tax form. It was M/S/P to donate funds refused by quarry host to the ALAA.

FRA: Due to storage limitations, it is not possible to accept more donations of material at this time. Andy Muir has material from Sterling Hill and Medford to donate. Suitable excess classroom activity materials will be offered to Howard Community College professor Sharon Lynn, who has requested such material for education purposes. Holly McNeil expressed her intention to retire in December after leading the FRA program for five years. The board expressed their thanks and admiration. Mark Dahlman volunteered to fill the position.

Show: Mark Dahlman has expressed his intention to retire from the upstairs Show Co-Chairman position. The board expressed their thanks. Holly McNeil volunteered to fill the position. There was much rejoicing. The board discussed what went well in the 2013 show and where there were opportunities for improvement. Thanks were expressed to all volunteers and, especially, to the Co-Chairs. A demonstrator coordinator is still needed. A case set-up and take-down marshal is needed, especially for the new cases. An individual to coordinate volunteer sign-up is needed. Contact Pat Repik-Byrne or a board member. The club will print a sign explaining the Lillian Turner prize and print the name on award ribbons. It was M/S/P to print 4 more outdoor directional signs. Permission for an external building sign will be investigated. Publicity was discussed. Flyer revision and consistency are needed. Back-ups for all positions are needed and should be trained. All positions should document their duties. All printed materials should be proof-read by someone other than the draft creator. The board will do this. Andy will print raffle slips requesting only name, phone, and email. Joel Rosen discussed the newly purchased trailer.

EFMLS Liaison: Wendell Mohr requested that another individual assume the responsibility for responding to emails received through the website "contact us" link. Jonathan Harris volunteered.

President: Preliminary discussions were had by the nominating committee including volunteer offers and arm-twisting. Andy Celmer will contact the volunteer with position information. There will be a board meeting in June. It was M/S/P to nominate Holly McNeil as club Rockhoulder of the Year.

Adjournment: The meeting was adjourned at 9:58 PM.

MEMBERSHIP UPDATES

The club welcomes back Skip, Heather, and Corrine Hughes, 73-G Ridge Road, Greenbelt, MD 20770-0794, 240-706-2321, almightrubberchicken@hotmail.com.

Jeff Cessna, Secretary

FIELD TRIPS

BY JONATHAN HARRIS

June 8, 2013 – Vulcan Havre De Grace Quarry: 938 Quarry Road, Havre de Grace, MD 21078. Meet at the office at 7:00 am. Please be on time because late comers who miss the safety briefing cannot collect at the quarry. Minimum age for attending is 10. Minors under the age of 18 must be accompanied by a parent and both must be club members. Please notify me by June 4, email is preferred at jgharris7@gmail.com or phone 301-545-0808. In your notification, please confirm that you have read and agree to the waiver and rules below the quarry information. Please include "Havre De Grace" in the subject of your email message to make it easier for me to find.

The Havre De Grace Quarry mines Port Deposit gneiss, diabase, and mettagabbro. Among the minerals reported found are epidote, pyrite, zeolites, siderite, titanite, feldspar crystals, and quartz. Circumstances beyond our control -- weather or problems at the quarry -- can cause last minute cancellations so it is advisable to check email Friday evening for any changes.

AFMS ENDOWMENT FUND RAFFLE

Interest from American Federation of Mineralogical Societies Endowment Fund investments is used to support numerous programs that benefit our affiliated member clubs. In the past several years, interest money has been used to purchase badges for the juniors program which are given at no charge to clubs with organized junior activities programs, digitize the old AFMS slide programs that have been distributed at no charge to the regional federations, purchase new commercially produced programs for the regional federation libraries and support the Judges Training Program.

As the primary means of fund raising, the Endowment Fund has held an annual drawing of donated prizes for the past several years. If you would like to donate one or more prizes, send your item, with a complete description including estimated value and donor name to:

R.J. Harris
1109 Gunstock Lane
Mechanicsburg, PA 17050-2009
roqfreq@rjharris.com

The excitement is growing for the 2013 Drawing! Tickets are \$5 each of 5 for \$20. To order, make your check payable to "AFMS Endowment Fund" and mail it along with a stamped self-addressed envelope to your regional federation representative listed below. Be sure to include your name, address, phone number and e-mail when placing your order.

Carolyn Weinberger
PO Box 302
Glyndon, MD 21071-0302
editor@amfed.org

You can view this year's items at <http://www.amfed.org/endow2013.htm>.

RECRUITING POTENTIAL MEMBERS



The Gem, Lapidary, and Mineral Society of Montgomery County MD, Inc. is lucky to have Conrad Smith as its local ambassador recruiting future members. Conrad is shown here giving his geological presentation on May 3, 2013 – his third one so far this year. This talk was given to Cub Scout Pack 759 at the Ashton United Methodist Church.



FILL A HOLE IN A CABOCHON

BY JIM DENNIS IN TIPS & CHIPS, NOV. 2012

Super Glue to the Rescue!

What if the cabochon you are cutting develops a "pit" or "hole" during the process of cutting and polishing? Do you toss the stone and hope for a better cut next time? Or was the rough too pricy to let a little "pit" bother you? Here's a simple way to fill the hole and no one will be the wiser, except you!

1. Fill the pit with Hot Stuff or other super glue
2. Let the glue harden. You may need to repeat this step 2 or 3 times if the hole is deep. (ED.: WORD OF CAUTION—Have a bottle of super glue remover handy because super glue goes everywhere but where it should!)
3. Examine the stone under magnification to make sure the hole is totally filled.
4. Let the glue harden some more.
5. Re grind
6. Repolish on the end buffer of the Genie. Put a LITTLE BIT of WHITE VINEGAR in with the water in your water spray bottle—that will usually help bring up a nice polish.

THE LURE AND LORE OF ROCKS: MOONSTONE

BY KRISTIN LOLMAUGH

Moonstone has been used for centuries in a variety of cultures. It is associated with the moon and was the stone of the goddess Diana. Some people believe the most powerful time to use the moonstone is in a full moon. It is associated with love of all kinds and it is said if you give your lover a moonstone necklace when the moon is full you will always have passion for each other and that it can reunite lovers who have quarreled

The shimmering moonstone is the perfect expression of the mysteries of moon, water and connections to inner worlds. The nourishing moonstone is said to help calm responses, avoid overreaction, and gives relief from emotional stress. It enhances feminine energies, sensitivity, intuition, and psychic abilities. Moonstone is a stone of protection, especially during childbirth, pregnancy, and travel at sea.

The peace and calm that moonstone generates has a sensual, other-worldly quality to it; it is infused with an enchanting, soft glow of optimism and creative energy. Moonstone is a very personal stone. It is a reflection of the person who owns it. Moonstone is an excellent stone to use in meditation to understand oneself. Placing it in the moonlight of a moon reaching its fullness, not a full or waning moon, can revitalize it. This is a particularly good gemstone for women. It is a good stone for young women or teenagers. Moonstone is used to aid the pituitary gland and digestive system, obesity, water retention, and hormonal problems.

Thanks to a field trip with the Gem, Lapidary, and Mineral Society of Montgomery County, MD, Inc., I have a wonderful selection of moonstone from the US Silica Mine in Montpelier, VA.



MINI MINERS Ages 6-9

Next Meeting Date: June 10, 2013 **Time:** 7:00 - 8:00 pm

Location: Card Room, Rockville Senior Center

In May the mini miners talked about caves. How caves form and what the formations found within a cave are called. We saw a brief slide show about caves and performed an experiment using vinegar and sea shells. In this photograph Conrad Smith shows the mini miners what a piece of stalactite looks like. He collected this piece from a field trip the National Limestone Quarry.



FUTURE ROCKHOUNDS OF AMERICA (THE MOCKS) Ages 10-15

Next Meeting Date: June 10, 2013 **Time:** 7:45 - 9:00 pm

Location: Sunroom Cafeteria, Rockville Senior Center

May 13, 2013, Meeting

We finished our two-part segment on mineral identification with a discussion of some advanced techniques, a review of the properties and common methods used in mineral identification, then demonstrated our skills by identifying various minerals.

June 10, 2013 Meeting – Maps

One of the new badges (released in 2012) in the Future Rockhounds of America program is Maps, and the MOCKS selected it as one of the topics they wanted to cover in 2013. We will learn about the different types of maps, how to read them and make them. If weather permits...we'll have a treasure hunt.

For more information on the Future Rockhounds of America program, please contact Holly McNeil at fra_advisor@glmsmc.com or 301-605-7179.

ROCKHOUND HEAVEN IN '67!!

BY JACK BUSCH

That catchy phrase was distributed throughout the DC area and much of the East Coast. It heralded the coming of one of the largest events in the history of the hobby. The event was the combined convention of the American Federation of Mineralogical Societies and the Eastern Federation in the spring of 1967 supplemented with a show to be held at the Washington Hilton Hotel at the intersection of Florida and Connecticut Avenues in the heart of Washington.

The show was sponsored and staged by the District's two main societies: The Mineralogical Society of the District of Columbia and the Gem, Lapidary, and Mineral Society of the District of Columbia. As many of our members also were members of one or both of the sponsoring societies, they were involved in the show staging and eventually about all of the members participated one way or another plus using our exhibit cases.

Those of you who have been in that Hilton know the size of its ballroom. Well, its entire floor space, plus most of the anterooms were filled with exhibit cases. And the exhibits were fantastic. Two in particular stand out in my memory. One was a huge Rhodochrosite crystal from Colorado that filled the whole case by itself. The other was a statue of a life size orange tabby cat that had been carved and polished from a single block of orange "tigereye" (Crocidolite.) Her eyes were faceted pieces of emerald. She sat admiring a kitten of the same material. They also took up an entire case by themselves.

Exhibitors came from all parts of the union and from other countries to enter mineral, lapidary, and fossil exhibits. Even I, as new as I was to the hobby, was brash enough to enter a case of minerals. (Naturally I did not win any ribbon, but it felt good to even have been accepted to put in a case.)

At that time our Society also still was in its infancy, and though the only recognition we received was a "Thank You" line in the official program, it was this show that galvanized us into becoming the organization we since have become and to be able to present shows of our own.

Unfortunately, in the course of several moves since that time my copy of the program has disappeared so I won't attempt to mention the names of our members who participated, but I'll be pleased enough to say we played a part in making the show a success. And gazing down from the balconies really made the place look like Rockhound Heaven.

FANCY RIVET HEADS

For a nice looking rivet head, use brass escutcheon pins. You'll have perfectly rounded heads that are all the same size and shape. The pins are a little hard to find, so try the best hardware stores first. Be sure to get solid brass pins, not brass plated steel. If unsure, test them with a magnet.

The pins are readily available online. Lee Valley Tools has them in 14 - 18 gauge and lengths from 1/4 inch to 1 inch. Go to <http://www.LeeValley.com> and do an item search on "brass escutcheon pin."

For best results, select a drill that gives you a hole with a close fit to the rivet. Trim the rivet to leave a little less than one diameter sticking out the back side. Place the head on a scrap of hard plastic on the anvil so as to not flatten the head. I prefer a ball peen hammer (with a small 3/8 inch ball) for setting the rivet.

More Bench Tips by Brad Smith are at [facebook.com/BenchTips/](https://www.facebook.com/BenchTips/) or see the book "Bench Tips for Jewelry Making" on Amazon.



AFMS HONORARY SCHOLARSHIP WINNER AND DESIGNATED MONETARY AWARD RECIPIENTS

The American Federation of Mineralogical Societies is composed of seven similar regional organizations of gem, mineral, and lapidary societies. Every year each of the seven regional organizations select an honorary scholarship recipient, usually a geology professor. In turn, each of those recipients select two students who get the actual monetary award.

For 2013 the Eastern Federation (of which we are a part) chose Dr. Gilbert Hanson, Stony Brook University, NY, to be the recipient. He has chosen Courtney Melrose and Joseph Tamborski, both of Stony Book University Geology.

Congratulations!

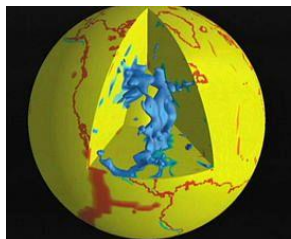
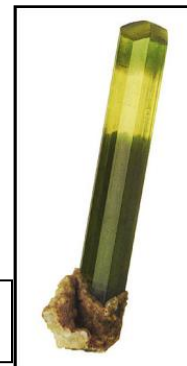
WEBSITES OF INTEREST

BY WENDELL C. MOHR

What's New in the Mineral World?

<http://www.minrec.org/pdfs/Tom's%20online%20Report%2034.pdf> is an Interesting 16 page report. It is Thomas Moore's 34th. The previous 33 columns are archived and are available on the Minrecord site. Tom is a Member of the Mineralogical Record staff. Feast your eyes on the wonderful photographs and the verbiage about the specimens, locality, and other facts. P.S. you can subscribe to the top notch magazine at <http://mineralogicalrecord.com/members.asp> if you wish. Linked with permission of Tom Moore.

*Elbaite, 4.7 cm, from Stak Nala near Skardu Gilgit-Baltistan, Pakistan,
With permission Andy Seibel Minerals specimen and photo.*

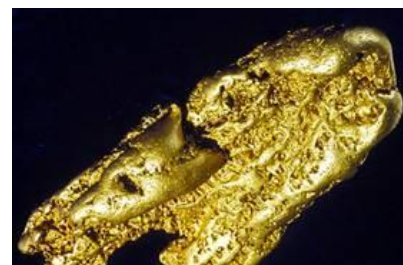


Faces of Earth, http://www.youtube.com/playlist?list=PLTBBYgdCOWWeziXMugDA-Ej_kWggrBwjh, is a four episode geology site by the American Geosciences Institute,. Each video is about 45minutes in duration. Titles are: "Building the Earth", "Shaping the Planet", "Assembling America", and "A Human World". Allow yourself adequate time to view each one.

Photo from Wikipedia

Melbourne Museum (Australia), Imagine escaping Washington's hot humid days and think about winter "down under."

<http://museumvictoria.com.au/melbournemuseum/discoverycentre/>, Under Rocks & Fossils, click on Rocks and Minerals, Dinosaurs and Fossils, or Meteors and Meteorites. You will find a wide variety of subjects, too many to elicit here, from the Australian vantage point. There are 12 videos, a multitude of short treatises on rocks, gems, minerals, geology etc. There are also some activities for juniors.



*Hand of Faith Nugget, Kingower,
Australia, 870 Oz. Source:
Museum Victoria*

EXTRA! Mining for a "Mother Lode" of Gold in Montgomery County,

http://wamu.org/programs/metro_connection/13/05/10mining_for_a_mother_lode_of_gold_in_montgomery_county, in case you missed it, see WAMU web site about an audio program presented on radio on Friday May 10th with Tim Rose of the Smithsonian NMNH and member Jeff Nagy. Don't miss photos and links. Thanks, Jeff, for representing the Society with another educational outreach program.



A ROCK HOUNDING STORY

BY FRANCES BECKER

A story told by the new Broll cart.

I was given to Frances Becker for a Christmas gift by her sister's boyfriend. He's a good sister's boyfriend. I came from the factory out west.

Frances was so happy to put me together and it took her over half an hour- amateur! I have been sitting out on the front porch waiting to be used since then. Finally, the Super Dig in Ogdensburg, New Jersey has arrived and Frances, Diane, and Gary Leaman and I are going. I get stuck in the back of the pickup truck with the rest of the rock hounding equipment. Gloves, sledge hammers, rock hammers, goggles and an assortment of plastic bags, buckets, chisels, and hard hats are in the back with me. I am in good company.



On Friday, the threesome arrive at the Franklin Mineral Museum in Franklin NJ. This is their third time there but the first time to collect in the dump. The three go down and after an hour Gary comes back and gets me to haul his black light cabinet and some buckets. I quickly get to work and have many rocks in my bucket. Unfortunately, the rocks are covered in ticks – the three some were working in the old section of the dump with some dealers who were going to display the next day at the Franklin show. The threesome carried up their finds and Gary pulled me up most of the way up the long steep hill. I was brought into the weigh in area and I had over fifty pounds of rocks in me. People were looking at me but did not touch. One lady said I was cute. Frances concurred. I think she likes me. The trio goes back to the hotel and takes showers and launders the tick infested clothes.



The next day the Super Dig was at the Ogdensburg, New Jersey Sterling Hill Mine. The trio came around nine o'clock in the morning and took me out first thing. I was taken to the pile where the willemite and franklinite are collected and Gary kept filling me up! I was taken back to the truck with a load full of fluorescent minerals. I saw a few Brolls like me and a lot of other carts that people were using.



In the afternoon, Frances took a tour of the lower mine and the museum that is Smithsonian quality. When she got back from the tour Gary again had filled me up with blue fluorescents and someone's discarded collection of rock and gems from all over the world. People came up to

Frances and really liked me. They wanted to know where to get one and tried me out. I am easy to pull and push around. I was a proud Broll cart.

During the nighttime dig I was out in the yard by the large fluorescent rock wall that the Sterling people put up giant uv lights to show off. It was a beautiful sight to see. Diane was tired so Gary and Frances and I went collecting in the dark. They found some yellow and blue fluorescent rocks and a beautiful willemite to be used in making into a sphere. Then they found in the path a rock with orange and green too pretty to be made into a sphere.



Frances has since decided to name me after Franklin the first time I was used at the Franklin Mineral Museum. I like my name. The group went home on Sunday after the Franklin Show and enjoyed the adventure up to New Jersey. I am ready for the next rock hounding outing. See you there!

This is not endorsement for the Broll cart!

SAFETY RULES FOR FIELD TRIPS

BY BILL KLOSE, EFMLS SAFETY CHAIR, JUNE 2013

Every other year for the past 6 years I have presented the rules for field trips in the June EFMLS Newsletter. I have been pondering trying to formulate another subject for this years newsletter, but as I looked at all the potential topics in the AFMS Safety Manual and past newsletter articles, I realized that field trip safety is probably worthy of repeating often and before every field trip.

1. Never go on a field trip alone and have someone along who can help or summon help if necessary. Tell someone where you are going and when you expect to return. Carry a cell phone with spare battery. Call someone if you change your itinerary, especially if you are going to be late. Should you leave an organized field trip early, notify the person in charge.
2. Keep children in sight or within talking distance at all times.
3. Do not collect below unstable rock piles, cliff walls or overhangs, or below or over other collectors. Avoid old mine tunnels, shafts, open pits, cess pools and abandoned buildings.
4. Do not block roadways and other vehicles or cross open or cultivated fields with your vehicle.

5. Have your vehicle in proper working order with appropriate emergency equipment and supplies.
6. Adhere to local fire regulations and warnings and make sure all camp and cooking fires are properly extinguished. Break all matches and shred all smoking materials. Take these materials and all other trash with you when you leave.
7. Do not throw rocks or engage in "horse play".
8. Do not over exert or stay in direct sunlight or heat too long. Be sure to rest in the shade from time to time and drink plenty of electrolyte replacing fluids.
9. Wear appropriate clothing, sunscreen, and safety equipment. Properly use appropriate, well maintained and inspected tools.
10. Respect property rights and signs. Obtain permission to enter property. Close all gates and fill in all holes you create. Do not dump dirt or other debris into ponds or streams.
11. Never eat wild berries or anything else unless you are absolutely sure they are safe. Carry bottled water or other drinks and do not drink from streams or wells that have not been recently tested.
12. Be able to recognize poison ivy, poison oak, etc. and be alert for snakes, scorpions, ticks, spiders, rodent infestations, etc. Be careful where you place your hands and feet.
13. Use proper lifting and carrying techniques to bring home your finds. Do not overload your vehicle.

SHOW TABLE: May 2013

Thanks to those who bring items for sharing at the meetings. I apologize for the lack of pictures in this issue.

Exhibitor	Specimen (s)*	Locality
Rod Towers	Lapis Prehnite/Ghost Crystals	Afghanistan Patterson, NJ
Jeff Cessna	Willemite, Hardystonite, Clinohedrite Willemite Calcite*	Franklin Mine, Franklin, NJ Sterling Hill, Ogdensburg, NJ
Gary Leaman	Wollastonite, Calcite	Sterling Mine, Ogdensburg, NJ
Diana Leaman	Hardystonite	Franklin Mine, Ogdensburg, NJ
Barb Burr	Copper	Keweenaw Peninsula, MI
Frances Becker	Magnetite briquette	Sparta, NJ
Jim Kostka	Lapis/Cutting is fun	Afghanistan
Skip Hughes	Hycdromagnesite on Deweylite	Hunting Hill Quarry, Rockville, MD
Wendell Mohr	Scheelite	Pingwu Szechuan Province, China
Chuck Mason	Ocean Jasper	Madagascar
Andy Muir	Calcite* "Slickenside" Calcite?*	Medford Quarry, Westminster, MD Sterling Hill Mine, NJ Unknown
Joel Rosen	Barite	Huavhalias, Peru
Jonathan Harris	TV Rock (Gypsum, the Other TV Stone) Sphalerite, Calcite, Willemite	
Earl Smith	Chalinsgite	Sterling Hill, NJ
Dave Fryauff	Pink Calcite & Gray Quartz	Sterling Hill, NJ
George Durland	Glaucochroite & Willemite Esperite, Hardystonite, Willemite, Calcite	Franklin, NJ Franklin, NJ
Conrad Smith	Willemite, Calcite, Franklinite	Ogdensburg, NJ

* indicates self-collected or self-made

FINAL OFFER – ACT NOW!

BY STEVE WEINBERGER, WILDACRES COMMITTEE CHAIR
EFMLS NEWS --JUNE-JULY 2013

Take a look at all the smiling faces in the group photo taken during our April week at Wildacres. If you're not in the picture, you missed a truly memorable week of learning, friendship, creativity, sharing and fun. The dog in the photo is Keeva, a most unusual poodle who lives on the property. She's non-allergenic and so well trained that you probably won't even know she's around. You still have a chance to get in on the action! The second EFMLS Workshop at Wildacres will be held from September 2 – 8. We have a wonderful line-up of classes and instructors and we'll be joined for the week by Quintin and Willow Wight, a Canadian couple whose interests are focused on minerals and gems. They will be on campus with us during the entire week.

A week at Wildacres consists of six wonderful talks, lots of time for classes, great meals (and no cooking!), wide porches and a canteen for socializing, plus a raft of other activities including a fun-filled auction and a tail-gate session. You'll also have a day to explore the lovely area around Wildacres and the Blue Ridge Parkway. Best of all,



a week at an EFMLS Wildacres Workshop gives you an opportunity to meet lots of wonderful people engaged in the same hobby as you. Many, many long-term friendships have started at Wildacres!

The cost for the week is \$380. This fee covers the cost of your room and board, and your access to the classes. There will be a nominal additional fee charged by instructors to cover the cost of the materials you use. A full list of classes can be found on page 6 of this issue and an application is on page 8 and you can learn more about the program by visiting our web site <www.amfed.org/efmls>. Just click on "Wildacres". We hope to see your smiling face in our September group photo!

UPCOMING EVENTS

- Patuxent Lapidary Guild is offering cabbing and silversmithing classes – visit www.patuxentlapidary.org
- Prince Georges County Parks & Recreation and the Southern Maryland Rocks and Mineral Club are sponsoring lapidary classes - Clearwater Nature Center (301-297-4575) or <http://www.smrnc.org/classes.html>
- June 28-30, 2013 – International Gem Show, Maryland State Fairgrounds, 2200 York Road, Timonium, MD 21093, \$8.00
- June 14, 2013 - The Chesapeake Gem & Mineral Society Auction, chesapeakegemandmineral.org. This is a commercial dealer show and no endorsement is made.

CINDY CHAO ROYAL BUTTERFLY BROOCH ADDS NEW SPARKLE TO SMITHSONIAN GEM HALL

The National Museum of Natural History's famous gem collection has a new addition: the Cindy Chao Black Label Masterpiece Royal Butterfly Brooch. Created by Chao in 2009, the brooch is the first Taiwanese-designed piece in the collection. It was donated to the museum by the artist, where it is on display to the public for the first time March 6 in the Janet Annenberg Hooker Hall of Geology, Gems and Minerals.

The Royal Butterfly, composed of 2,328 gems, totals 77 carats. The brooch is set with fancy-colored and color-changing sapphires and diamonds, rubies and tsavorite garnets. The centerpieces of the butterfly's wings are four large-faceted diamond slices stacked atop a pave layer of faceted diamonds, creating a pattern resembling the microstructure and scale of a living butterfly's wings.

The brooch sparkles in daylight, but it evokes a surreal quality when viewed under ultraviolet light in the dark—it glows. Many of the gem stones Chao used fluoresce, which means they emit visible light when viewed under ultraviolet light. Under ultraviolet light, the Royal Butterfly comes to life with a dazzling array of neon colors and light. While some gems may appear colorless in daylight, under ultraviolet light they turn a bright blue and green. Others burn a fiery orange or red. It will not be possible to show off this hidden beauty in the brightly lit exhibit case, but images of the Royal Butterfly under ultraviolet light are featured on the museum's website.

"The awe-inspiring array of colorful and glistening gems and Cindy Chao's masterful design combine to create a whimsically beautiful jeweled butterfly that we are delighted has fluttered from Taiwan into our National Gem Collection," said Jeff Post, curator of the museum's Gems and Minerals collection. "It is a wonderful gift that I am sure will be immensely popular with our visitors."

Chao is a renowned contemporary jewelry artisan, known for her ability to create wearable works of art that are coveted across the globe. Her ancestral heritage has been influential in her work, as has her father, a noted Taiwanese architect and sculptor who instilled in her a relentless attention to detail and form. She founded her company, CINDY CHAO The Art Jewel, in 2004. In 2007 she became the first Taiwanese jewelry artist to take part in the Christie's New York fine jewelry auction.

"I believe that a piece of jewelry can reflect the history of an era, and being included in a leading institution like the Smithsonian is a dream for any artist," said Chao. "It is humbling to know that millions of visitors will be able to see the Black Label Masterpiece Royal Butterfly Brooch and be exposed to my jewelry craftsmanship."

The celebrated brooch joins the Smithsonian's gem and mineral collection, one of the largest of its kind. The collection supports museum exhibitions and behind-the-scenes geologic research. The Janet Annenberg Hooker Hall of Geology, Gems and Minerals is located on the second floor of the museum and remains one of the museum's most popular exhibition halls.



Photo: Cindy Chao. Front View



Photo: Cindy Chao. Rear View



*Photo: Donald Hurlbert, Smithsonian
Front view of the Cindy Chao Black Label
Masterpiece Royal Butterfly Brooch,
fluorescing in the dark.*

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