

Mineralogical Society of the District of Columbia



MINERAL MINUTES

The Mineral Minutes is the bulletin of The Mineralogical Society of the District of Columbia, Inc.

The purpose of this Society is to promote interest in mineralogy, geology, and related earth sciences and to encourage mineral collecting. An annual scholarship is awarded to a deserving student in the related field.

The Mineralogical Society of the District of Columbia is one of the founding Societies of the Eastern Federation of Mineralogical and Lapidary Societies.

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Photo Credits: Johnny Johnsson, Mike Kaas and John Park

MSDC November 7, Presentation by Johnny Johnsson:

Johnny Johnsson, geologist and mining historian, will tell the story of "Chromite in Maryland & Pennsylvania - A History." Maryland and Pennsylvania dominated the production of chromite during the 19th-Century, centered around Baltimore's Tyson family. Through slides, lecture, and discussion, we will consider the discovery and development of this important ore mineral of chromium and the history of the local chrome mines and manufacture of chromium compounds.

TABLE OF CONTENTS

	<i>Page</i>
<i>Program & Speaker Info</i>	1
<i>The Prez Says & "Linked-In"</i>	2-3
<i>Holiday Party Info</i>	3
<i>MSDC Meeting Minutes (Oct.)</i>	4
<i>October's Program Summary</i>	4
<i>Why Does Ancient Buried Gold Continue to Sparkle?</i>	5-6
<i>Help Your Kids Feel Important As Club Members</i>	6
<i>What I Did On My Summer Vacation</i>	7
<i>Upcoming Events</i>	8-9
<i>Treasurer's Notes</i>	9
<i>Speaker Flash Back!</i>	10
<i>Linked-In & Minerals in the News</i>	11
<i>MSDC, EFMLS & AFMS Info</i>	11
<i>Miscellaneous MSDC Info</i>	12
<i>Membership Application</i>	13

November 2012

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THE PREZ SAYS...

By Tom Tucker

Some Rambling Thoughts

MSDC Officer Elections

It's that time of year again - we will be having elections for the officers of the club in December,

and I hope to have a list of nominees ready at the November meeting. No one has jumped forward to either serve, or even to be on the nominating committee. I've asked a few folks about serving, and it's being contemplated as we go to press. **Please - if you'd like to see the Club move forward with vigor and vitality, consider running for one of the officer positions.** Let me know if you'd like to volunteer, so we can submit your offer at the November meeting.

EFMLS "Each-one-teach-one" Award

Congratulations to Cynthia Payne who was selected for a third place award in the Eastern Federation "Each one, teach one" competition. Cynthia was selected on the basis of her contributions of mineral specimens for use in educational activities by other Club members and associates. Her donations made it possible for others to actively share and teach minerals to various academic groups, including young school classes . Congratulations Cynthia, and THANK YOU !

Field Trip - JMU Mineralogy Labs and Museum

The annual field trip to the mineralogy labs and the museum at James Madison University in Harrisonburg, Virginia, will be held Saturday, February 23, 2013. Put the date on your calendar now, so you don't miss it. We will be joined by the MNCA (micromounters), and the Northern Virginia Mineral Club. Details will follow, but the day should be pretty much just as it has been in previous years. We will visit with Dr. Lance Kearns, and he will demonstrate several of the analytical tools he uses in the identification of mineral species, including x-ray diffraction, Raman Spectroscopy, petrographic microscope, and the

scanning electron microscope. This is an opportunity to bring your unknown mineral specimens and have them identified. Personal tours of the very fine Mineral Museum at JMU will also be featured.

Christmas (Holiday) Party

Betty and Susan are moving forward with plans for the Christmas and Anniversary Party, held at the Fisher's home in Centreville (near the Quarry), Saturday, December 1. There will **NOT** be a regular Club meeting the following Wednesday, December 5. Please sign up at the November meeting with what foods you will bring to the Party. Susan will have a sign-up list. For those who care to participate there will be a gift exchange - beneath Cynthia's Crystal Christmas Tree. Bring a wrapped specimen gift worthy of sharing, and we'll put it under the tree. More details at the November meeting, and in the December Minutes. We look forward to seeing you all there for a fun Holiday gathering, and Susan and Ed will share their very special mineral collection with us all.

If you have some facet of the Club's 70 year history that you would like to share with us all, please contact me so I can put it on the evening's "program".

Northern Virginia Mineral Club annual Show

The annual gem and mineral show of the Northern Virginia Mineral Club will be held the weekend of November 17 and 18, in the George Mason University campus Student Union, in Fairfax. This is just in time for your holiday purchases. The usual full complement of gem and mineral dealers will be present with something for all of us. There's also a silent auction (consider making a donation of your excess specimens), and demonstrations of fluorescent minerals, faceting, and micromounting. Hope to see you there.

Recent collecting activities

Several weeks ago I met with Bob Rothenberg from Oneata, New York, and Don Smoley from Pittsburg, PA. and together we visited the nephylene syenite occurrences southwest of Harrisonburg, VA. These unusual rocks contain a variety of minerals, many of them usual, to downright rare. The three localities we

visited are all on private land, and over the years we have maintained very good relationships with the landowners. The collecting at Buck Hill was a little more difficult this year. I've never seen the grass and vegetation so high. At Stoutamayer Branch the snow we collected in last February was gone, and the stream was low, so we didn't get too wet. The crystals here are all microminerals, so why do we keep coming back? We find a variety of interesting crystals, including what have tentatively been identified as NENADKEVICHIT (a hydrated sodium rare earth silicate - possibly the 19th world occurrence), and KUKHARENKOITE-(Ce), (a barium cerium fluor-carbonate - possibly the seventh world occurrence). And, besides - they're pretty !

A different appreciation of rocks

The 75th anniversary gathering of the Mountaineering Section of the local hiking club, the PATC. I used to climb with them several decades ago. But I was there to greet Jan Conn - a very special lady, who truly appreciates rocks in a way a little different from us. Jan is about 91 years young, and was an early and active leader of the Mountaineering section. She and her late husband Herb pioneered many climbing routes, on the rocks, at Carderock and Seneca Rocks, before moving to near Custer, South Dakota, and attacking innumerable climbing routes in the Needles area of Custer State Park - a rock climbers paradise. Jan was the first "lady" to climb to the top of Devils Tower, in Wyoming - a phonolite intrusion standing high above the eastern Wyoming plains.

In the early 1960's, she and Herb were introduced to cave exploration, and together and pretty much single-handedly, they explored and mapped over 50 miles of the Jewel Cave, and then wrote about their adventures in their book, Jewel Cave Adventures - a must read. Jan and Herb are small in stature and were ideal for

exploring the often restricted passages in Jewel. What they found was a "Jewel Box" of fascinating mineral deposits, many of types never seen before, such as "balloons" composed of hydromagnesite. A real highlight of my caving days was an all day tour of the wild sections of Jewel Cave with Jan and Herb in 1969. Some of the new sections of the cave were subsequently opened for public tours via a new elevator "entrance".

That evening last week, Jan entertained us with a few stories, and several of her self-composed songs, which she plays and sings, and yodels. But her best quote of the evening had to be, "You have to grow old, but you don't have to grow UP". By the way, she knows the young fellow I mentioned many months ago, who was "ticketed" for climbing (naked) at Bridal Veil Falls, in the Black Hills of South Dakota - which is also a collecting locality that I've enjoyed.

Jan is a treasure to the climbing and caving communities, and I think by extension, to all of us who enjoy the out-of-doors, and the recreational opportunities it offers - even collecting rocks and minerals. It was a special honor to be able to visit with her again.



LET'S CELEBRATE!!!!

**Mark Your Calendars: 1 Dec (Saturday) Holiday Party
By Andy Thompson**

Our mineral club, one of the oldest in the United States, will celebrate our longevity and youth during our December holiday gathering scheduled for 1 Dec. 2012, a Saturday. We will meet at the Fishers house in Centreville, VA. This will allow us to get an earlier start to our celebration. We will need YOUR help to organize food for our gathering. Please send a note via e-mail to Susan Fisher at novaya2@cox.net or give her a call at **703-830-9733**. If possible she would like to know what you plan to bring by November 25. [Editor's note: As a courtesy to Susan, please be prompt with your response! Thank you!]



MSDC Meeting Minutes - October 2012

Secretary, Patricia Flavin

Meeting Date: October 3, 2012

Meeting Place: Katherine Kirby Rm., The Smithsonian Institution National Museum of Natural History

Attendees: 27

Agenda Club President Tom Tucker

Recognized past presidents, Cynthia Payne, Ed Fisher, Andy Thompson, Erich Grundel

Minutes Approved: September 2012

Visitors: Matt Bowen, Raqwin Young, Patrick Haynes

Treasurer's report: Rick Reiber accounted for the club funds.

Old Business: MSDC needs a website volunteer. We need to publish the newsletter on our website. The holiday Christmas Party will be held at Ed and Susan Fisher's house in Centreville, Va. Note that No meeting will be held on Wednesday December 5th. Please contribute food dishes for the party. Susan Fisher noted that Pauline Cranford is selling Jack Cranford's mineral collection.

New Business: Cynthia Payne discussed that the Eastern Federation reminds clubs to pay their insurance premium. Flyers for The Northern Virginia Mineral Club Show, November 17-18, were circulated. Sheryl Sims passed around a petition to support the creation of a new US Postal Service "Birth Stone" Stamp. The club needs a nominating committee for new officers for 2013.

Announcements: The 33rd Annual New Mexico Mineral Symposium will be held November 10 & 11. The Micromineral Society at the Cleveland Museum of Natural History is sponsoring a Micromineral Symposium on November 2, 3 & 4. Club member, Jessica Simonoff has recently had an article published on Russian Cuprites. Tom Tucker is selling Quarry Signs for \$20.

Refreshments: Thanks for Susan Fisher, Betty Thompson, Sheryl Sims and Pat Flavin for the treats. Please volunteer to bring refreshments.

Next month: Holiday Party at the Fisher's!
The business meeting concluded at 9:45 pm.

October's Program Summary

By Patricia Flavin

"Fluorite—A Mineral For All Seasons" Speaker and club member, Susan Fisher, gave an informative presentation of the historic value of this mineral and the various physical characteristics. The mineral is found world-wide. Susan gave an easy to follow pictorial showing how deposits vary throughout our continent and around the world. They are most commonly found in hydrothermal deposits which are usually associated with sulfide minerals. It is an isometric mineral with a cubic habit, although octahedral, dodecahedral and more complex isometric forms are not uncommon. It has a hardness of 4 on the Mohs scale. There are many color variations caused by various impurities and/or defects in the crystal structure. Susan's excellent photos and detailed drawings showed the crystal characteristics of each type fluorite mineral. This was very helpful in understanding the crystallography each mineral.

“Why Does Ancient Buried Gold Continue To Sparkle?”

By Andy Thompson

It is common knowledge that gold coins and jewelry, buried for thousands of years, consistently emerge from the ground as sparkling as the day they were minted. In today’s news, for example, a first time amateur treasure hunter in England took his metal detector and discovered 159 gold Roman solidi coins from the fourth century, having a value of over \$100,000.

According to the news report, the museum staff of the nearby town of St. Albans said the coins were as perfect as the day they were minted.

The coins were found loose, in neither a jar nor leather bag. So they

appear to be buried with no protection. Yet they retained their pristine condition despite being in contact with soil for over sixteen centuries. Those who discovered and curated the more famous and larger 1992 hoard of over 15,000 Roman coins discovered near Hoxne, England, reported the same reality. So what is it

about the mineral gold that makes this possible? When asked about this, many people would be inclined to simply say that gold is notoriously inactive. It simply does not react with other elements and is the only metal that does not form oxides. But that does not answer the question. It simply names gold as “non-reactive” but does not explain why or how it happens.

So what is the real answer? When asked, scientists are likely to point to the physics of the gold atom’s structure and its electron shells. Some even speak about how Einstein’s theory of relativity comes into play. Simply put and using the elementary Bohr model of the atom as akin to the planetary system, one of the largest outer most electron shells has all its ‘electron holes’

filled with electrons. It is complete and so the gold atom resists giving up any of its electrons to other neighboring elements in which it comes into contact. It does not pick up oxygen atoms, for example, to produce gold rust, and as such, is the only metal element not to form rust on its crystal surface. Its outer most sparsely populated shell will share an electron to form compounds with other elements, but then we are no longer talking about gold as such.

Stated in a more modern but more complicated fashion, the electron “shells” are better explained

as probabilities rather than as having its electrons stuck in rigid planetary-like orbits. So even the electrons of the outer orbits do circle in close to the gold atom’s nucleus. When they do, their velocity is so great, near the speed of light that their mass increases, relatively speaking. That is such a powerful binding force that the

electrical charges of nearby chemicals do not have sufficient power to break the gold atom’s internal cohesion. That, in a nut shell, is the physics behind the term “non-reactive” which people speak of when they say gold is inert. If that explanation is too heavy, we could radically shift gears to get a feel for this attractive power and strength by speaking about human relationships and emotional levels. So here is a metaphor which may help at the gut level, namely the deep love between two persons. Who has not experienced young love which is so powerful that no one can separate the lovers, not rivals, parents or other adverse conditions. The pull to be together is so great, whether for adolescents or more mature



individuals, that it seems nothing can break the bond. To some extent, the bond defines the lovers as individuals and as a couple. Similarly, the structure of gold is so well organized, so internally coherent, that nearby everyday corrosive chemicals cannot disrupt its togetherness or blemish its appearance.

Metaphors can be problematic, but sometimes they can be like symbols that help us explore experiences from different perspectives. The mineral gold seems to have that effect on people, for better or worse, but almost always it evokes a strong and lasting interest.

(photo credit: <http://www.hemeltoday.co.uk/news/local/first-time-berkhamsted-metal-detector-finds-one-of-uk-s-largest-roman-coin-hoards-worth-100-000-1-4379649>)

HELP YouR KiDs FEEL IMPoRTANT As CLuB MEMBERS

by Roberta Goldsmith, Junior Activities Chair, EFMLS News -- MAY 2010, p. 3

Hopefully, all of you EFMLS member clubs have at least a club for your kids and, that it is also an AFMS Future Rockhounds Club. Is that club working in a vacuum, with no real connection to the adult club? This should not be.

Make them feel that they are real Rockhounds, and their knowledge and achievements are very important to the parent club.

One way you can do this, is to have the kids (not the adult advisors) present a report or mini-program once a month, or every several months. Have a section within your meeting agendas for this purpose. Their input could be what "merit badges" they are working on, and what they have found out about the subject, for instance. I'd bet that many of the adults do not know much of the information within these badges and would like to know this information.

Another way is for them to have real input into your club's annual mineral show. MMGS has started this by having the "Touch Table" (my special project for the show"). There, I have an exhibit and mineral display on a major topic – "Minerals of Maine" for this year. This is primarily a place where kids of all ages can pick up the minerals and ask questions. I will also ID the minerals they have received at the Spin Wheel or Mini-Mine (a sandbox filled with small mineral specimens and tumbled stones). They love these treasures. But this project is FOR the kids, not DONE BY the kids!

We have display cases to show the show's patrons a sampling of the minerals of the world. Why can't the Future Rockhounds have their own case(s)? They can explain the Future Rockhounds of America and show what they are doing as part of it. They can have a case with info on their badges. They can have a case with some of their very own mineral collections. Whatever topic they want on minerals, geology, etc.

The kids can also be volunteers at the show. They are great at interacting with the other kids by actually running the Spin Wheel table or the Mini-Mine. They can be runners at the show and do necessary errands for the Club adults.

These are just a few of the ways to help are Juniors be an integral part of the adult club. Can you think of more?

WHAT I DID ON MY SUMMER VACATION

By Barry Sperling

Below are a couple of pictures that I took on a fossil walk lead by Brandon Lennon in Lyme Regis, England at the Church Cliffs on July 7th. This is the exact spot where Mary Anning figured out that the fossils were animals that would be later named "Dinosaurs". One picture is of an Ammonite embedded in a large stone and the other is a general view of the beach and cliffs on that stormy day. Very enjoyable!



Your Help Is Needed!

- Are you able to bring refreshements to our monthly meetings? (Contact Betty Thompson)
- Can you help plan our holiday party? (Contact Tom Tucker)
- Are you willing to take a turn serving as a club officer? (Contact Dave Nanney and Dave Hennessey)
- Do you have articles that you'd like to share? (Contact Sheryl Sims)
- Do you have speaker/presentation ideas? If so, please contact one of our MSDC board members.

Upcoming Events & Presentations



**The 21st Annual
Richmond Gem & Mineral Society
Rock Swap**

**Saturday, November 10th, 2012
9:00 am - 3:00 pm**

*The Rock Swap is indoors, so come rain or shine.
Open to all children and adults (from novice to expert) to swap or
purchase various mineral, gem, fossil (including dinosaur bones),
shell, and lapidary specimens.*

**Ridge Baptist Church Meeting Hall
1515 East Ridge Road, Richmond, VA 23229**

DIRECTIONS: Since 1998 the swap has been at this location in Henrico County near Regency Square Mall and Douglas S. Freeman High School.

North or South of Richmond, Virginia

Use I-95 to Exit 79 to I-64 West (just north of Richmond City).
Leave I-64 at Exit 181A (South) on Parham Road.
Proceed south on Parham Road for about 1.5 miles and TURN LEFT ONTO
EAST
RIDGE ROAD. (A right turn at this intersection takes you onto
Quioccasin Road to Regency Square Mall).
The Ridge Baptist Church and Meeting Hall are 400 feet on the right, across
from
Kroger's Grocery.
MEETING HALL IS THE WHITE BUILDING at the rear of the parking lot.
There is ample parking in front of the Meeting Hall. Swap signs will mark both
entrances.

East or West of Richmond, Virginia

Use I-64 to Exit 181A
(South) and follow the directions above.

Nov. 17 & 18: 21st Annual Gem, Mineral & Fossil Show. Sponsored by the Northern Virginia Mineral Club. www.novamineralclub.org. Show site - George Mason University, Student Union Bldg. II (The Hub), Rte. 123 & Braddock Rd, Fairfax, VA. Hrs.: Saturday 10:00 AM - 6:00 PM, Sunday 10:00 AM - 4:00 PM 20 plus Dealers selling Minerals, Fossils, Crystals, Gems, Jewelry, Carvings, Meteorites & more! Demonstrations, Exhibits, Door Prizes & Kid's Activities including, Mini-mines & Fossil Dig. Silent Auction on Sunday. Admission: Adults \$5, Seniors \$3, Teens (13-17) \$3. Children (12 & under) FREE, Scouts in uniform FREE, GMU Students w/valid ID FREE. GMU Campus map: <http://eagle.gmu.edu/map/fairfax.php>. Parking: On campus use GMU's parking Lot A. Enter Lot A from Nottaway River Lane where you will also find our courtesy shuttle to the Mineral show.

November 10: AUCTION

Ray Kent has donated his Fossil Collection to the GLMSMC and it is being offered at an auction on Saturday November 10th, 2012. The auction is **Open to all, members and non-members alike**. Location Gaithersburg Senior Center, 80A Bureau Drive Gaithersburg, MD 20878-1430. NOT Rockville as previous auctions. 9:00 a.m. Viewing of material by all interested. 10:00 a.m. Auction begins, ending by 1 p.m.

ALL FOSSILS : Many quality specimens as individuals, a few rare such as Panopea and large Chesapectens, singles and doubles, shark's teeth and some older locality material. Localities include Calvert Cliffs (Governor's Run [Now closed except to residents] and Matoaka Cottages), Keyser WV, MD 214-now built-over Central Avenue PG Co., Rappahannock at Hopyard VA, Various sand quarries toward Romney and Keyser WV, Gore VA They range from thumbnail size to larger to cabinet size. Best material will be auctioned individually by piece. Lots will be sold combining several pieces.

Auction Rules: Increments of no less than \$1. Anyone may bid: Members, non-members, dealers, officers, auctioneers, and the Treasurer. Juniors are welcome to bid but a responsible adult should oversee activity. We must move quickly to get through all the material so respond quickly, please. No fighting over sales material! You may pay either by check or good ol' cash. If by check the treasurer may ask for photo ID.

Information: Wendell Mohr; <info@glmsmc.com>, Phone 301 926 7190

Driving Directions to Gaithersburg Senior Center, 80A Bureau Drive, Gaithersburg, MD 20878-1430. From the North: I-270 to exit 11 (Montgomery Village Avenue), Right on Quince Orchard Road (MD-124), Left on Firstfield Road, Left on Bureau Drive to Senior Center on Left opposite McDonald's. From the South: I-270 to exit 10 (West Diamond Avenue), Right on west Diamond Avenue (MD-117), Right on Bureau Drive (At the Dogfish Head Alehouse). Continue on Bureau Drive past Firstfield Road. Senior Center is on the left opposite McDonalds.

Treasurer's Note: Treasurer, Rick Reiber



(Photo by S. Sims)

Has Your Contact Information Changed?

Please provide Rick Reiber with your updated information.

Dues Reminder: It's never too late to pay your 2012 dues! \$20 for single member-ships. \$25 for family memberships. Why not invite your friends and family to join MSDC?

Quarries. Mines. Travel. Photography. Collecting. Studying. We want to hear from YOU! Please share your summer mineral-related photos and activities with us by submitting them to the editor at <sesims4@cox.com>.

2012 Speaker Flash Back!

January 2012: Dr. Cari Corrigan gave a wonderful presentation on Meteorites in Antarctica.

ENJOY REFRESHMENTS? Please sign-up with Betty Thompson to bring refreshments to our monthly meetings



(Photo by Cynthia Payne)

WELCOME! MSDC welcomes its new members. Thank you for joining us! Also, guests are always welcome to attend MSDC meetings. Please continue to invite your friends!

- February 2012: Tom Tucker, MSDC President, gave an informative presentation on his mineral travels in Vietnam.
- March 2012: Alan Cutler, (Author and geology professor at Montgomery College) spoke on the geological and mineralogical vision of Nicholas Alan Cutler Steno (1638-1686).
- April 2012: Joe Marx (Adjunct Professor of Geology, NVCC) discussed Bowen's Reaction Series.

MINERAL MINUTES

- May 2012: Dr. Cari Corrigan gave an informative presentation on the Lorton Meteorites.
- June 2012: Ray Stanford shared information on dinosaur tracks in Maryland and brought in wonderful fossils for us to examine and enjoy.
- July 2012: No meeting.
- August 2012: No meeting.
- September 2012: Bob Simonoff gave an informative presentation on The Ste. Marie Aux Mines Mineral Show.
- October 2012. Susan Fisher presented information on Fluorites – “A Mineral for All Seasons.”



MSDC Fundraiser: Talk to Tom if you'd like to buy a sign!



Congratulations to Rebecca Siegal! Rebecca was awarded her archaeology technician's certificate at the state conference. This was the culmination of hundreds of hours of lab and field work, workshops, and independent study. Her former college archaeology profession was the keynote speaker which made the occasion all the more special.



MSDC Board Members



(photo by Susan Fisher)

l-r: Pat Flavin, Andy Thompson, Tom Tucker, Dave Hennessey, Dave Nanney
front row: Cynthia Payne, Sheryl Sims, Rick Reiber

EFMLS OFFICERS

R. J. Harris, President, <roqfreq at rjharris.com>; Cheryl Neary, 1st Vice President, <ciervo.neary at gmail.com>
Hazel Remaley, 2nd Vice President, <northridge5 at verizon.net>; Gerry Cox, Secretary, <gerryannec at verizon.net>
Lou Budell, Treasurer, <labudell at windstream.net>; Michael Patterson, Assistant Treasurer, <Michael.Patterson at
pgparks.com> Carolyn Weinberger, Editor, PO Box 302, Glyndon, MD 21071-0302, 410-833-7926, <cscrystals2 at gmail.net>
For more information about the *Eastern Federation Mineral & Lapidary Society*, visit: <www.amfed.org/efmls>

AFMS NEWS

AFMS Officers for 2012-13

President - Don Monroe (SFMS) President-elect - Richard Jaeger (RMFMS)
1st Regional Vice President – Marion Roberts (CFMS)
2nd Regional Vice President – Matt Charsky (EFMLS)
3rd Regional Vice President – Ann James (SCFMS)
4th Regional Vice President – Sandy Fuller (MWF)
5th Regional Vice President – Doug True (NFMS) Treasurer – Pat LaRue (2 year term) . The position of Secretary was not

up for election this year. Anne Cook will complete the 2nd year of her 2 year term.

Linked-In/ Minerals in the News

Visit the below links and learn what's happening in the mineral world!

<http://earthquake.usgs.gov/earthquakes/eventpage/usb000d75b#summary>

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



Sheryl Sims, Editor – Gentle readers, this is YOUR newsletter.

Please help by submitting to me, your mineral-related news, articles, photos and/or links. Your fellow club members will enjoy reading about your hobby-related interests, field trips, mineral finds and other news worthy items. Remember—no news—no newsletter! The *Mineral Minutes* newsletter deadline is the 15th of each month. Please email your submissions to me at <sesims4 at cox.net>. Thank you!

MISCELLANEOUS MSDC INFO:

MSDC RAFFLE!



(photos by S. Sims)

We have your winning ticket in the bag!

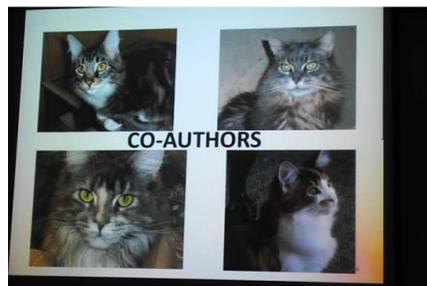
Thank you for your mineral donations. They will be used as door prizes.



Guests: Matt Bowen & Raqwin Young

MSDC IS NOW ON FACE BOOK!

Steve Johnson created a Face Book page for our club. Visit "Mineralogical Society of the District of Columbia" to share your comments, links, and photos. (Administrators are: Steve Johnson, Betty Thompson, Bob Simonoff and Sheryl Sims.) Check it out!



October's fluorite presentation was "pawfectly" co-authored by the Susan & Ed Fisher's cats!

MINERAL MINUTES

Pre-Meeting Dinner: Join us for dinner at the Pier 7 Restaurant at 6:00 PM for dinner before the club meeting.
650 Water St SW, (at S L St), Washington, DC 20024, (202) 554-2500, www.pier7restaurant.com/Menu.

Please call Susan Fisher at 703-830-9733 to make a reservation if you wish to attend.

Visitors are always welcome at our monthly meetings and dinners!
MEMBERSHIP APPLICATION OR RENEWAL
THE MINERALOGICAL SOCIETY OF THE DISTRICT OF COLUMBIA (MSDC)

Family ~ \$25.00 per year. One address.

Individual ~ \$20.00 per year.

New * Renewal Dues are for Year _____ *

For new members who join in the last months of the year, membership will extend through the following year with no additional dues.

ANNUAL DUES – PLEASE PAY BY JANUARY 10.

Pay at December or January meeting or mail to:

Mineralogical Society of DC

P.O. Box 9957

Alexandria, VA 22304

Name(s) (First and Last)

Address _____

City _____ **State** _____ **Zip** _____

Phone(s): Home/Work/Mobile _____

Email(s) _____

OK TO INCLUDE YOU ON CLUB MEMBERSHIP LIST? Distributed to Club members only.

Yes – Include name, address, phone, email.

If you want any information omitted from the membership list, please note:

Omit my: Email, Home phone, Work phone, Mobile phone,

Address, Name

SPECIAL CLUB-RELATED INTERESTS?

MINERALOGICAL SOCIETY OF THE DISTRICT OF COLUMBIA

President: Tom Tucker, threedogtom@earthlink.net

Vice President & Program Chair: Andy Thompson, thompson01@starpower.net

Secretary: Patricia Rehill, patriciarehill@gmail.com

Treasurer: Rick Reiber, Mathfun34@yahoo.com, (mail: c/o MSDC, P.O. Box 9957, Alexandria, VA 22304)

Director: Cynthia Payne

Director: Dave Nanney

Director: Dave Hennessey

Editor: Sheryl Sims, sesims4@cox.net

Co-Web Master: Casper Voogt & Betty Thompson, www.mineralsocietyofDC.org

Meeting Dates, Time, and Location: The first Wednesday of each month. (No meeting in July and August.) The National Museum of Natural History, Smithsonian Institution, 10th Street and Constitution Ave, Washington D.C. We will gather at the Constitution Avenue entrance at 7:45 PM to meet our guard who will escort us to the Cathy Kirby Room. If you park on the street, **THERE ARE NOW PARKING FEES, PAYABLE AT THE KIOSKS, AND ENFORCEMENT UNTIL 10 PM.**

MINERAL MINUTES



Newsletter of the Mineralogical Society of the District of Columbia



Mineralogical Society of DC
P.O. Box 9957
Alexandria, VA 22304
U.S.A.

Time Sensitive Dated Material
First-Class Mail

November 2012