

# The Danburite

The Danbury Mineralogical Society, Inc.

P.O. Box 2642, Danbury, Connecticut 06810-2642

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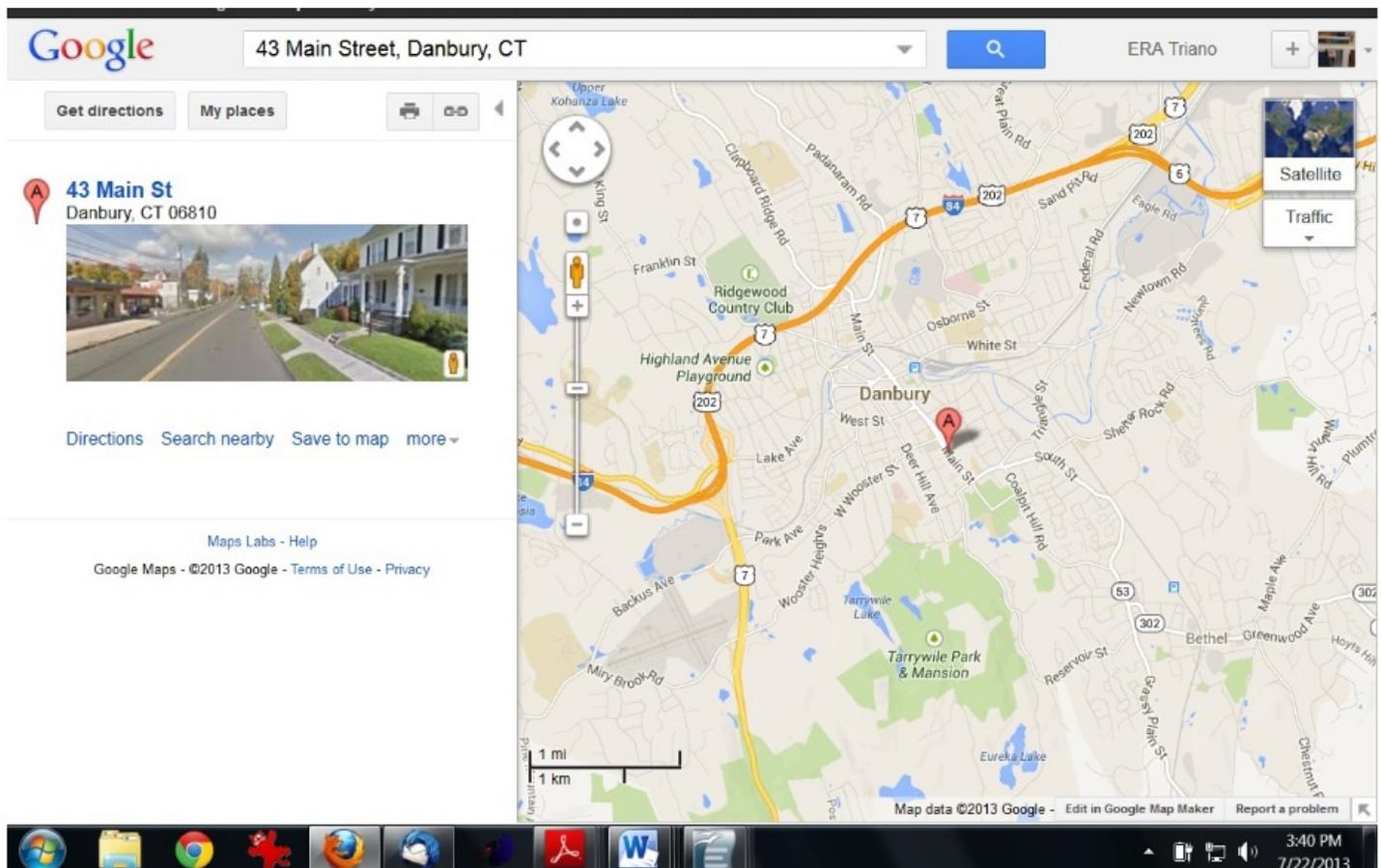
NEXT REGULAR MEETING **THURSDAY, December 5, 2013**

**Meeting starts at 7:00 p.m.**

**NEW LOCATION !!**

The meeting will be at the **Danbury Museum & Historical Society**  
**43 Main Street, Danbury CT**

**BEST WISHES FOR HEALTH, WEALTH & HAPPINESS  
THROUGH THE HOLIDAYS AND INTO THE NEW YEAR**



**NEW DMS WEBSITE** <http://danburymineralogicalsociety.weebly.com>

**AFMS WEBSITE** <http://www.amfed.org/> **EFMLS WEBSITE**

<http://www.amfed.org/efmls/>

***PLEASE Send Your Photographs to Webmistresses Laurie and Amber!!***

***Field Trips, Specimens, WHATEVER....***

***email them to [lauriefern@optonline.net](mailto:lauriefern@optonline.net)***

***Include "DMS" at the start of the Subject Line. Thank you !!***

### **President's Message**

It was a quick meeting in November, but I think we got most of what we wanted to say explained to everyone.

The main thing is we have to make a decision on the January seminar. Please read the information which was handed out at the November meeting, or check out the softcopies which were forwarded to your email addresses. [Information also available on the club website at <http://danburymineralogicalsociety.weebly.com> .] We will vote on the "favorite" and make reservations soon so we can all plan on enjoying each other's company in a relaxed setting.

Looks like our "dictatorship" is continuing; we will have the same slate of officers for another year (at least the Prez, Danburite writer, and the treasurer are the same). We do have a new secretary, and we definitely need a Vice President. Please think of volunteering some of your time and sign-up for a "2 year tour" (better than a "3 hour tour"?).

I would also like to mention we need someone to make sure we have refreshments for each member meeting. I currently have the hot water pot, and some soda and chips (still left over from the "picnic/swap" we had in Kent, CT in June). I believe I also have some instant coffee, and tea bags. All U need do is make sure everything is brought to each meeting, together with some some ice, cookies, snacks, etc. It even comes with a small grocery cart to lug all the items from your car to the Danbury Historical Society where we hold our meetings.

We also will need someone to help out coordinating field trips and such. This was previously done by the Vice President, but any

member can do this; it is not specifically a vice presidential responsibility.

At our last BOD meeting (held the week before Turkey Day, we discussed quite a number of items such as: Jack's need for a storage unit near the museum, the seminar restaurant choices (Two Steps, Jim Barbarie's, and Bambu), and "scholarships".

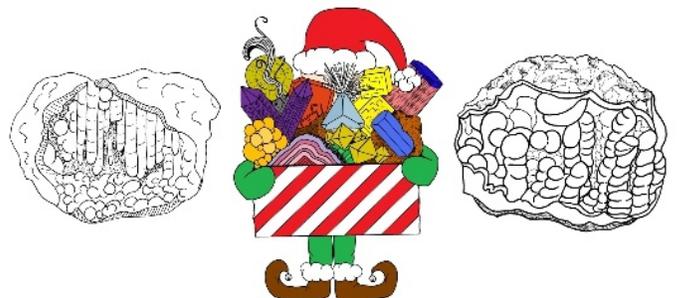
Speaking of a BOD meeting, I plan on having them monthly for a bit, at my house. That way we save some bucks by not holding them at the Danbury Historical Society, and it's closer for some of the officers/editors (3 of whom live in N.Y.). We had one on the 30<sup>th</sup> of Oct., another on the 20<sup>th</sup> of Nov., and will have one last one for 2013 probably around the 18<sup>th</sup> of Dec.

Please think about possibly speaking at one of our member meetings concerning our hobby. It could be about a trip you took to some fascinating geological area where you did some sight-seeing or collecting; something you read about, found interesting, and decided to do some research about; or anything your little heart desires (as long as it has something to do with geology!).

I think I got most of what I wanted to say.

Rock On - - -

Dan



## The DECEMBER Program will be ...

### Yogo Gulch Sapphires

Judy Schuster

These naturally bright blue sapphires from central Montana have a fascinating geologic, human, and mining history. Discussion includes the boom/bust gold camp, turn-of-the-century adventure and fortune seekers, and the connection to Charlie Russell, the famed western artist. Geology of the Yogo Dike is described in some detail. The second half is full of pictures of our visits to Sapphire Village and last summer's personal tour of Roberts' Yogo Sapphire Mine (not open to the public).

Samples are available for examination; Q&A.

## We need a seminar speaker for JANUARY....

Our new meeting place, the **Danbury Historical Society & Museum**, has an extensive website with lots of educational links and cool events:

[www.danburymuseum.org/danburymuseum/Home.html](http://www.danburymuseum.org/danburymuseum/Home.html)

### Minutes of November meeting

*Peg Hedrick, Secretary*

November 7, 2013.

Meeting Attendees: President Dan McAuliff, Secretary Peg Hedrick, Treasurer Laurie Goodman, Editor Liz Triano. Members at Large: Hank Henning, Dan Garrity. Members: Jack Palowski, Mark Kucera, Jerri & Willie Wiley, John Kent, Gail Washburn, Dominic Triano, Mason Goodman, Amber Goodman, April De Young, Steve Kelland, Carolyn Reynard – and Welcome new member Marie Vera!

### Danbury Historical Society Holiday Bazaar

Bridget from the Danbury Historical Society started our meeting off with an explanation of

their upcoming Holiday Bazaar starting the first Saturday after Thanksgiving and running through December. Vendors can purchase a table for \$100 or a display case for \$75 and the Historical Society will sell their items during their Bazaar. No sales tax is tacked on as the Historical Society property is exempt and the Bazaar is considered a “craft show”. The Museum is also having an afternoon Holiday Tea to benefit the Museum. Information can be found through the Museum website.

[www.danburymuseum.org](http://www.danburymuseum.org)

**After a brief discussion by the members, it was decided that although this Holiday Bazaar was an excellent opportunity for the club to get publicity, there was too little time for the club to organize a table or a display case for this year.** We encourage anyone who can to attend the Holiday Bazaar at the Danbury Historical Society so that we can get ideas for next year.

### Membership

It was proposed that long time members (i.e., those have given service in the past, ex-presidents, or ex-board members), who have moved out of the area who are not able to attend meetings be given Honorary Status and kept on the Danburite mailing list. The board of directors will discuss this at the next BOD meeting.

### Storage Area Dilemma

Jack Palowski wanted the group to be aware that the one of the three storage areas that have long held much of Jack's Mining Museum excess treasures and all of the club's display cases and show equipment must be vacated.

Jack said the club should consider renting a smaller unit. The BOD to discuss and decide. Jack also mentioned that the Amethyst cathedral that was damaged at the Rock & Mineral Show in New Milford and was purchased by the club has been sold at the Mining Museum.

Carolyn Reynard's Seminar on **Obduction of Upper Mantle and Oceanic Crust on to the Continental Crust of Newfoundland** was fascinating and informative. She had recently visited Newfoundland for the third time and had explored the area's tablelands flattened by glaciers. Her slide show showed the buckskin buff-colored landscape of the Gros Morne, an

area rich in iron and magnesium where very little vegetation can grow on the hillsides. Where snow can be seen in the valleys, even in July. This area has the oldest crust on the planet where the most ancient fossils can be found. Astronauts have trained for landing missions due to the brown barren rockiness of the area. Not many minerals are found in this area, except for the Chrysotile deposits of the asbestos minerals, ophiolite, peridotite, harzburgite, and soapstone. The Paleo inhabitants of the area used hollowed out balls of soapstone to make their bowls. Carolyn explored an asbestos quarry and explained the differences and uses of chrysotile - white asbestos and crocidolite - blue asbestos.

### **Voting in Board of Directors**

As no one submitted any other candidates it was voted unanimously that the current Board of Directors were accepted. All voted: Yeah, None opposed.

### **New Member – Marie Vera**

Marie brought in an interesting rock specimen that she found in digging her garden. Resident Geologist/Expert Jack Pawloski looked over the large hole pocketed and unusual sample and stated it appeared to be quartz agate.

### *additional comments from Hank Henning*

Regarding the "rock" Marie Vera brought in to the DMS meeting in November I could add the following.....

I am neither a geologist nor an expert but I had a look at the really gnarly rock Marie Vera brought to the DMS meeting in November and agreed that it seemed to be agate but in a most curious form.

That this rock seemed to be unusual for Putnam County, which is mostly granite, gneiss, and amphibolite metamorphic rocks of "uncertain origin", similar to the rocks found in the Adirondacks. Also to be found in the county are some areas with sedimentary and shale type rocks – again altered by metamorphic processes. And of course we can find a few iron mines.

After the meeting ( of course ) I remembered I had seen a similar occurrence of agate at a rock show in Putnam County a few years ago. The specimen was a large boulder of limestone/marble with embedded areas of agate not too different from what Marie showed us. This boulder was brought to the rock show by a resident of Kent Cliffs in Putnam county who had broken it out of the rock ledge on his property. So it had not been transported from somewhere else. Marie's rock did not seem to have been tumbled and scraped as most of the rocks appear when deposited from a melting glacier, they really get rounded edges. So I surmised that the agate had not traveled from afar but most likely formed in the local rocks.

After a look at a bedrock map of Putnam Co. and a bit of reading it was discovered that there are a few areas in the county that are limestone-dolostone-marble deposits. The most pronounced would be the large dolostone/limestone quarry in Patterson in the north-west section of the county.

My theory is the the agate grew inside a cavity in some limestone as the ground water turned from acidic -- which would have made the initial cavity by dissolving some of the limestone from the inside -- to a water rich in silica which deposited the quartz in layers inside the limestone cavity. Then sometime later, the water flowing through the limestone became acidic again and continued to etch away all of the enclosing limestone leaving the agate alone as a very interesting looking and hard to identify specimen. The unbroken part of the specimen was very rough and unlike any local rock in appearance. It might be a "cast" of the inside of cavity that was etched in the original limestone.

Marie says she found it [buried deep] in her garden – which might have been at one time, a long time ago, a limestone or marble rock outcrop ... which very likely formed at the bottom of an ocean a much longer time ago.

A short account of the 2009 rock show noted above, along with a few photos of the specimen referenced therein, can be found in the September 2009 Danburite which will soon

be accessible via the DMS website thanks to our new webmaster Laurie.

Other thoughts are welcome.

**We sponsor the Danburite page at MINDAT:**

<http://www.mindat.org/min-1218.html>

### Brad Smith's BenchTips

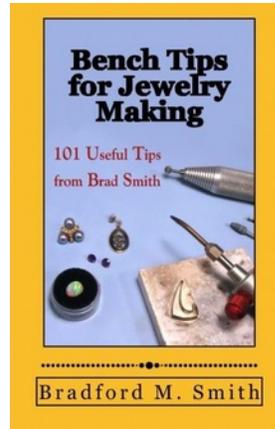
#### MINI DRILL PRESS

If you find yourself drilling a number of small holes for your work, you might want to look at the small, inexpensive drill presses now available. They take up just minimal space on your bench and are always ready to give you nice straight holes. Some models even have a variable speed control. I've been very pleased with a low-priced one that's been well-used in my classes for over a year.

Because these machines are only a foot high, they're limited as to the size of workpieces that can fit into the machine and the size of the drill bits you can use. But I've had no problems with drill bits up to about 3/16" (4.5mm), even drilling steel.



The machines are sold by a number of companies. If you do get one, be sure to buy a spare belt because they are generally not available at local hardware stores.



Like these Bench Tips? Treat yourself to the book for Christmas!

<https://www.createspace.com/3976439>

#### LASER WELDING

A question came up this week about how to solder some jump rings to hold blue topaz briolettes onto a necklace. We've all heard about ways to do some soldering close to a stone, and some of us have sized a ring without taking the stones out of their mounts. We've used wet paper towels, garnet sand, cooling gels, and my favorite of suspending the stone in a dish of water. All techniques bank on the principal of using a small, hot flame to do the job quickly before the stone gets hot enough to crack or change color.

But each job is somewhat of a gamble. Some stones are hardy and some are frail. Jades and jaspers will generally take a lot of heat, but I'd never chance it with the likes of topaz or opal. Trying to shield a stone from the torch is always a betting game, and sometimes you lose.

If you're worried about soldering something close to a stone, perhaps it's time to consider a no-heat method like laser welding. Most jewelry stores have laser welders these days, and the cost of having it done is quite affordable. They used to have problems doing silver, but now seem to do it routinely.

I've used a local shop twice in the last year, once for a piece with little emeralds a "friend" asked me to repair and for a second piece where I needed a safety catch and didn't want the torch heat to expose all the solder lines again.

*More BenchTips by Brad Smith are at [groups.yahoo.com/-group/BenchTips/](https://groups.yahoo.com/-group/BenchTips/) or [facebook.com/BenchTips](https://facebook.com/BenchTips)*

~~ Fun Stuff ! ~~

Think ahead about places to collect next year! Here are some Herkimer close-ups from a sweet little pocket, submitted by the Wileys.



And then wasn't it Vicky who brought in some of her collection one meeting, neatly organized in clear containers? That was so cool!



### ON ETHICS

#### The Moral Responsibility of Sustainable Development

By Carlos Bertha, Ph.D.

From the Jan-Feb 2013 issue of *PE Magazine*

reprinted with permission

#### Excerpts:

During the last few years, the engineering ethics community has paid close attention to sustainable development as a framework for the morally responsible engineer. As articulated by John Elkington in his *Cannibals with Forks: The Triple Bottom Line of 21st Century Business*, “Sustainable development involves the simultaneous pursuit of economic prosperity, environmental quality, and social justice.” No one is denying that engineering is— and ought to be—a profitable business. The sustainable development framework encourages the engineering community to take on as a moral principle that good engineering practices involve not just financial profit, but environmental stewardship and social justice considerations as well. It may be fruitful to take some time to expand on the other two components of Elkington’s triple bottom line. What do “environmental quality” and “social justice” mean and how should they inform an engineer’s moral decisions?

In our history, the reigning model for how we treated our environment was defined by what we now pejoratively call “cowboy ethics.” Probably motivated by our attitudes during western expansion, this approach allowed for a total disregard for the environment. If we depleted a resource in a particular area of the country there would always be more if we were willing to travel farther. Luckily, we have pretty much abandoned this approach in favor of a newer, more informed one called “spaceship ethics,” which acknowledges that the world’s resources are finite and they are shared. The scientific and environmentalist

communities continue to produce better methods that help quantify the impact that our actions have on the world. If an engineer is working on a suitability project, say for the development of a new neighborhood, she now has better tools to evaluate the environmental impact of the project. It might be clear to her that the right thing to do is to recommend more costly measures for controlling pollution because of the proximity of the proposed development to an aquifer that feeds a popular spring nearby. What about social justice? This final slice of the triple bottom line is there to motivate the engineer to pause and consider how the project in question affects everyone.

Sustainable development is a normative framework, meaning that it advocates for the engineering community to be environmentally and socially conscientious. Can some of these considerations dig into the financial profitability of a project? Of course. But as an engineering community, can we afford to ignore the responsibility we have toward our earth and our fellow human beings?

*Carlos Bertha, Ph.D., is an associate professor of philosophy at the U.S. Air Force Academy, where he teaches ethics, philosophy of science, and formal logic. The views expressed in this article are those of the author and do not necessarily reflect the official policy or position of the U.S. Air Force Academy, the Air Force, the Department of Defense, or the U.S. Government.*

© Published by the National Society of Professional Engineers, Jan/Feb 2013



Even Aristotle was young once. *La Jeunesse d'Aristote* by [Charles Degeorge](#). Creative Commons image from Wikimedia Commons, provided by user Rama.

*How about some more GeoWords of the Day?*

**hydrotungstite** (hy-dro-tung'-stite) A dark green monoclinic mineral:  $\text{WO}_2(\text{OH})_2 \cdot \text{H}_2\text{O}$ .

**oolitic** (o-o-lit'-ic) Pertaining to an oolite, or to a rock or mineral made up of ooliths; e.g. an "oolitic ironstone", in which iron oxide or iron carbonate has replaced the calcium carbonate of an oolitic limestone. Also spelled: oölitic.

**Raman lines** Shifted lines in the *Raman spectrum*. They are typically at longer wavelengths than the exciting radiation (Stokes lines), but shorter wavelengths (anti-Stokes lines) may occasionally appear.

### ***News from Around the Collecting World***

From *The Treasure Chest*, bulletin of the North Jersey Mineralogical Society.  
November 2013

#### **The Fight for Fern Fossils by Jeff Wilson**

Another famous collecting site is on the verge of being lost forever. It is a trend that is, unfortunately, difficult or impossible to stop. The world renowned fern fossil collecting site in St. Clair, Pennsylvania is currently being threatened.

Just east of Saint Clair, Pa. is the abandoned Reading Anthracite coal mine that, for the last several decades, has been a prolific source of fern fossils. These fossils are from the Llewellyn formation, which cuts right through the old mine site. The fossils are especially desired due to the white and yellow pyrophyllite coating, which stands out in stark contrast to the black shale matrix.

Blythe Township and FKV L.L.C., a waste recycler and demolition company, plan on building a large landfill and recycling center on the 252-acre site on Burma Road, which is the former Reading Anthracite Coal Mine, and the site of the Fern Fossil collecting site. The threat began in 2004, when this idea was first proposed, and the last round of permits were approved by the Pennsylvania DEP in July of 2012.

But a grass-roots push to stop this landfill, started by homeowners and families in Saint

Clair has, for now, put the brakes on this project. The site lies within 1/2 mile of a large reservoir that provides drinking water for St. Clair, Pottsville, and other towns in the area. The local residents and environmentalists are presenting the front that this landfill plan will contaminate water supplies and affect the lives and general well-being of the community. They also argue that the greatly increased truck traffic on Burma Road will present a hazard to the community. In August, 2013 the town of Saint Clair has filed a lawsuit against Blythe township to permanently stop this plan.

At least, for now, the site is still open to collecting and exploration, and there has been no sign of any construction or site preparation activity at the site. As a side note, for those who have visited the site in previous years, the old man, Buddy Tuchinsky, who was a self-proclaimed watchman and overseer over the site, famous for walking his dog or riding his ATV around the fossil site, always letting collectors know his "rules", and occasionally assisting collectors haul out their finds, passed away last spring.

Let's all hope that this lawsuit will once and for all end this threat and keep the site available for fossil collecting well into the future.

\*~\*~\*~\*~\*

That North Jersey club always sounds SO interesting! Jeff Wilson also provided an article about keeping up with specific collecting sites as they get sold, subdivided, and undergo other changes to access.

### **P.S. The DMS Still Needs a Field Trip Coordinator !!**

#### *AFMS Newsletter*

Dr. Mike Nelson, the new chair of the Conservation and Legislation committee, provides the first truly thoughtful piece on land access and related topics that I have ever seen from official hobby bodies. Looking forward to the possibility of rockhounds opening our eyes to the desirability of taking care of our environment.

Here's the beginning of his column:

I was recently appointed by President Richard Jaeger to Chair the AFMS Conservation and Legislation Committee. At first I debated on accepting the position since land management issues are often contentious among members of rock and mineral clubs. However, I decided to give it my best shot since these issues have long interested me and I serve on both the Kansas and Colorado Public Lands Advisory Committees (as well as International Relations) of the Rocky Mountain Federation. I enjoy the outdoors and love to collect, hike, camp, travel and fish. In addition, I have a passion for writing and editors are kind enough to accept my monthly columns in the Rocky Mountain Federation Newsletter, the Colorado Springs Pick & Pack, and occasional articles in a couple of out-of-state club newsletters. I also enjoy my blog at [www.csmsgologypost.blogspot.com](http://www.csmsgologypost.blogspot.com). Readers may always contact me at <csrockguy@yahoo.com>.

Lands that are owned/managed by "the government" fall into numerous categories and cannot be lumped together by rockhounds looking for legal places to collect minerals and fossils. The land owners/managers range from the U.S. federal government to states, counties, municipalities, and smaller entities. It seems all have their own particular idiosyncratic collecting rules and it is almost impossible for the rockhound to sort out the regulations as they vary from state-to-state and among the federal agencies. Unfortunately, regulations often vary within a single agency (at least according to their web sites).

See the current AFMS newsletter at <http://www.amfed.org/news/default.htm>. It also includes a short article about tax status, and the usual chart of federation shows.

#### *EFMLS News*

Wildacres is Coming! (Isn't it always?) Registrations will be accepted AFTER January 1, 2014.

"The dates for spring 2014 are April 7 – 13 and the cost for the week will be \$390 per person. This fee includes your room and board as well as all gratuities to the retreat staff.

Materials fees for the class or classes you take are extra and paid to the instructor while you're at Wildacres. We do not yet have our dates for fall, but should be able to share them with you in the January EFMLS News and on the EFMLS Wildacres Workshop web site [www.amfed.org/efmls](http://www.amfed.org/efmls) . Click on the Wildacres link [menu listing on the left].

Wildacres Spring Classes:

Cabochons – Basic; Cabochons – Intermediate:  
Bernie Emery

Chainmaille: Pat Baker

Enameling Basics: Mia Schulman

Faceting: Steve Weinberger

Geology I: Rob Robinson

Fused Glass: Becky Edmundson

Micromountin: Carolyn Weinberger

Pewter Fabrication: Bruce Gaber

Silversmithing – Basic; and Intermediate:  
Richard Meszler

Viking Knit: Pat Baker

Wirewrapped Jewelry – Basic; & Intermediate:  
Beverly Johnson

View regional newsletters online at  
<http://www.amfed.org/efmls/newsletters.htm> .

### *Mini Miners Monthly*

ALSO STILL HAPPENING: Sale through the end of the year: Diamond Dan Publications has been creating fun, educational booklets for kids for 20 years now! In celebration we are offering the biggest discount we have ever offered: **25% OFF all of our activity books.**

Thank you for the many years you have supported our work and have dedicated yourselves to teaching and inspiring the next generation of mineral collectors.

<http://www.diamonddanpublications.net/>

!! Darryl Powell/Diamond Dan's stuff is terrific! I can't recommend it highly enough !! I have a number of samples and information about new publications which I'd be More Than Happy To Share if we could manage to get any junior members ! -ERAT

*Bulletin of the New York Mineralogical Club.* Their December 11<sup>th</sup> meeting will feature Nick DelRe with “Diamonds & Some Colored Stones.” Their January 8<sup>th</sup> speaker will be Dr. Paul J. Steinhardt, with “The Search for Forbidden Crystals.”

I (Lizzie) finally got to one of the NYMC shows! I went down on Saturday, November 9<sup>th</sup>, and stuck to my plan of not buying any more rocks BUT I did get some DVDs of programs for the club:

My favorite dealer was probably the Crystal Circle, LLC, and their silvery lepidolite from Minas Gerais was pretty cool, as were the chunks of Ethiopian opal... and so much more! Then of course there was the zoisite var. tanzanite from John Betts, for \$7k - \$9k depending on the specimen, and the fab Kunzite “d.t. W/zoning,” also from Minas Gerais, from Alectorius Minerals/Rocko Minerals.

I got to attend a repeat presentation of “The Three Faces of Jade, which was first given at their banquet this year, and I was not disappointed! In fact, I picked it up on DVD for the club to enjoy, along with Irving Horowitz' “The Strang Habits of Quartz,” (which I believe Mark K. has seen?), and a whole disc of “14 Colorful Mineral & Gem ID Games for Mineral & Lapidary Clubs.”

So we might be all set for those wintry meetings during show-and-speaker famine season (aka winter).

*Garnet Gazette* of the Mid-Hudson Valley Gem & Mineral Society. Friends Meeting House, 249 Hooker Avenue, Po'k.

*The Vug* of the Stamford Mineralogical Society).

***In case you missed the news: Green's Farm has been SOLD.  
(no more collecting at Roxbury)  
That's all, folks!***

### Mineral Dealer news vignette: Rocko Minerals

I thought I recognized Rob Rosenblatt and Rocko Minerals at the NYMC show, but the Alectorius Minerals labels confused me.

It happened that Rocko was flooded out in 2011, in one of the "weather events" we've been having.

More recently, he joined forces with some other folks and formed Alectorius Minerals. You can find him on Facebook at

<https://www.facebook.com/RockoMineralsJewelry>. The [www.rockominerals.com](http://www.rockominerals.com) website does not appear to be functional any more, and [www.alectoriusminerals.com](http://www.alectoriusminerals.com), while sort of recognized by GoDaddy, is not an actual website at this time.

### Alas, Another Stolen Minerals Story

From MMNE club newsletter of November 2013

**Mineral Theft from Honorary Member Paul Young** Sometime between this past Saturday (10/19) evening and Sunday (10/20) morning someone broke into my house and stole over 20 flats of minerals. I would like to ask folks to, when they can, keep their eyes open for minerals for sale on sites like ebay, craigslist, and places like antique shops, etc. Based on what I know the minerals, if offered for sale may be offered in the Boston north and Nashua, NH areas. Most of the material taken is from my show stock and some are just things I kept because I liked them. They also took a lot of specimens I recently obtained from Steve Towne. Unfortunately there are no photos. The show stock will have my small 1.5" square, gray label that says "No Stone Unturned Minerals" with my name and cell phone number.

More stolen specimen news at

<http://www.smp.net/stolen.htm>

### Museums and Other Fun Places

**The Institute for American Indian Studies** ([www.IAISMuseum.org](http://www.IAISMuseum.org))  
860-868-0518

See [www.iaismuseum.org/calendar.shtml](http://www.iaismuseum.org/calendar.shtml) for more information.

#### December

1 Artifact Identification

**1 Indian Holiday Market**

7 & 8 Indian Market

8 LAC Lecture: "Connecticut Yesteryears: The Walum Olum"

**14 & 15 Indian Market**

**\*\*Note that Indian [Holiday] Market will run three weeks this year and NOT the week before the Christmas holiday. Please plan accordingly!**

IAIS hosts the Litchfield Hills Archaeology Club's website as a sub-section of theirs, at <http://lhac.iaismuseum.org/> .

**Bruce Museum  
Greenwich, CT**

<http://brucemuseum.org> 203-869-0376

**Peabody Museum of Archaeology  
and Ethnology**

<https://www.peabody.harvard.edu/>  
617-496-1027

**Yale Peabody Museum**

<http://peabody.yale.edu/> (203) 432-5050

**New York State Museum, Albany NY**

<http://www.nysm.nysed.gov/>  
(518) 474-5877

*Free Admission !! closed Mondays*

**Connecticut Science Center  
Hartford, CT**

<http://www.ctsciencecenter.org/>  
860.SCIENCE (860-724-3623)

**Corning Museum of Glass  
Corning, NY 14830**

607-937-5371 800-732-6845

[www.cmog.org](http://www.cmog.org)

Sat., 5/18/2013 - Sun., 1/05/2014

*Life on a String: 35 Centuries of the Glass Bead* will showcase, for the first time, many important works from the large historical glass bead collection of The Corning Museum of Glass as well as objects on loan from seven institutions.

**~ Events Calendar ~**

*Shows with web links may have coupons!*

**December**

**8 – 9, Patchogue, NY** – Suffolk Gem & Mineral Club Annual Show. Our Lady of Mt. Carmel, North Ocean Avenue.

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

**~ 2 0 1 4 ~**

**Welcome to the United Nations'  
International Year of  
Crystallography!**

<http://www.iycr2014.org/>

**30 January – 16 February, Tucson, AZ** -- Tucson 22<sup>nd</sup> Street Show. Minerals, fossils, dinosaurs, meteorites, gems, and jewelry 60,000 square feet of exhibitor space; 180 dealers. Corner of I-10 & 22nd Street

**February 2014**

**13 – 16, Tucson, AZ** -- 60<sup>th</sup> Annual Tucson Gem & Mineral Show: “60 Years of Diamonds, Gems, Silver & Gold.”

<http://www.tgms.org/>

**15 – 16, Albany, NY** -- Annual show of the Capital District Mineral Club. New York State Museum, Empire State Plaza, 260 Madison Ave. Daily 10-5. Admission: adults \$5, children free. Guided museum mineral gallery tours. Contact Michael Hawkins, 3140 CEC, Albany, NY 12230, (518) 486-2011. e-mail: [mhawkins@mail.nysed.gov](mailto:mhawkins@mail.nysed.gov)

**March 2014**

**1 – 2, New York City, NY** – Spring NYC Gem & Mineral Show (partnership between NYMC and Excalibur Minerals). Holiday Inn Midtown Manhattan. Details to follow.

**1 – 2, Newark (Stanton), DE** – Annual Show (theme to be announced) of the Delaware Mineralogical Society. Delaware Technical & Community College, Stanton. <http://www.delminsociety.net/index.htm>

**8, Upper Marlboro, MD** – 24th Annual Mineral, Jewelry and Fossil Show, organized by: [Southern Maryland Rock and Mineral Club](http://www.southernmarylandrockandmineralclub.com), Show Place Arena (14900 Pennsylvania Avenue).

**8 – 9, Clifton, NJ** -- Annual show of the North Jersey Mineralogical Society. The Pope John II Center, 775 Valley Rd. Sat. 10-5, Sun. 10-5. Admission: adults \$5, seniors \$4, children free. Rocks, minerals, fossils, gemstones, lapidary rough, jewelry, rockhounding supplies, free mineral for kids, door prizes! Contact Jeff Wilson, 14 Beach Dr., Montague, NJ 07827, (973) 293-7911. e-mail: [buckwood4@yahoo.com](mailto:buckwood4@yahoo.com); Web site: [www.nojms.webs.com](http://www.nojms.webs.com)

**15 - 16, Old Bethpage, NY** – Island Rockhounds Annual Gem, Mineral, Fossil & Jewelry Show. Old Bethpage Village Restoration. <http://www.islandrockhounds.org/index.html>

**22 – 23, Chambersburg, PA** – 36th Annual Gem, Mineral & Jewelry Show. Organized by: Franklin County Rock & Mineral Club. Hamilton Heights Elementary School (1589 Johnson Road)  
<http://www.mineralfest.com/flyers/2014chambersburgcoupon.pdf>

**22 – 23, Sayre, PA** – 45th Annual Rock & Mineral Show. Organized by: [Che-Hanna Rock and Mineral Club](#). Athens Township Volunteer Fire Hall (211 Herrick Avenue).

**29 (28?) – 30, Plymouth Meeting, PA** – Annual Mineral Treasures & Fossil Fair show and sale, presented by the Philadelphia Mineralogical Society, the Delaware Valley Paleontological Society with the Eastern Federation of Mineralogical and Lapidary Societies' Annual Convention. Lulu Temple, 5140 Butler Pike. Sat. 10 – 5, Sun. 10 – 4. Admission Adults \$5, Kids under 12 \$1, Scouts in uniform FREE. Fossils, minerals, gems, speakers & exhibits. Learning activities include a fossil dig and kids' mineral corner.  
[www.philamineralsociety.org](http://www.philamineralsociety.org)

29 - 30, Northampton, MA – Western Mass Mineral Jewelry & Fossil Show, organized by: [Connecticut Valley Mineral Club](#). Clarion Hotel & Conference Center (1 Atwood Drive, Northampton).

### April 2014

**5 – 6, Johnson City, NY** -- Annual show of the New York Southern Tier Geology Club. Johnson City Senior Citizens Center, 30 Brocton St. Sat. 9-5, Sun. 10-4. Admission: adults \$3, children (under 12) free. Club exhibits, silent auctions, dealers, minerals, fossils, gems, jewelry, beads. Contact Al Conklin, 187 Forest Hill Rd., Apalachin, NY 13732, (607) 625-4140. e-mail: [allanconklin@aol.com](mailto:allanconklin@aol.com)

**11 - 13, Edison, NJ** – NY / NJ Mineral, Fossil, Gem & Jewelry Show - 350 to 400 exhibitor booths with minerals, fossils, dinosaurs, meteorites, gems, jewelry, gold, silver, turquoise  
 Special exhibit: *The Best of the Best of the Northeast*. [New Jersey Convention & Exposition Center](#) (97 Sunfield Avenue, Edison)  
<http://www.ny-nj-gemshow.com/>  
<https://www.facebook.com/NYNJShow>

**18 – 19, Lancaster, PA** – North Museum Rock, Mineral, and Fossil Show, organized by: [North Museum of Natural History and Science](#). Farm and Home Center (1383 Arcadia Road).

**24 – 27, Rochester, NY** – 41<sup>st</sup> Rochester Mineralogical Symposium. Radisson Hotel.  
<http://www.rasny.org/MineralSymp.htm>

You can find gem and mineral show listings in hobby and trade magazines as well as online. Here are some fairly useful websites, and there are also listings at the Federation sites by region.

<http://www.mineralfest.com/calendar.html>

<http://www.rocksandminerals.org/Coming%20Events/coming-events.html>

<http://www.rockngem.com/show-dates-display/?ShowState=ALL>

<http://www.mindat.org/eventlist.php>

<http://gemshows.blogspot.com/>

<http://nojms.webs.com/upcomingshowsevents.htm>

### Follow-ups & Links

*Comet Ison: on again off again!*

<http://www.isoncampaign.org/karl/schroedingers-comet>

<http://earthsky.org/todays-image/comet-ison-post-perihelion>

[http://www.sciencenews.org/article/ison-seems-have-survived-close-call-sun?utm\\_source=Society+for+Science+Newsletters&utm\\_campaign=bae044067b-](http://www.sciencenews.org/article/ison-seems-have-survived-close-call-sun?utm_source=Society+for+Science+Newsletters&utm_campaign=bae044067b-)

[Editors Picks week of November 25 11 30 2013](#)

*NYMC Speakers and related topics*

<http://www.physics.rutgers.edu/irons/>  
[http://en.wikipedia.org/wiki/Paul\\_Steinhardt](http://en.wikipedia.org/wiki/Paul_Steinhardt)  
<http://www.caravanmagazine.in/print/4008>  
<http://www.lastwordonnothing.com/2012/09/17/the-theorist-the-tundra-the-forbidden-crystal/>

*Fracking*

Rich Cochran, CEO of the Western Reserve Land Conservancy (Ohio), in "Thar's Gas in Them Thar Shales!" Shale Gas Recovery 101," by Trudy E. Bell. The Bent of Tau Beta Pi, Summer 2013.

"If this oilfield becomes a battlefield, we will all lose," Cochran declared to the 600 oil and gas experts and community leaders at Crain's Business 2013 Shale Summit in Cleveland on February 5, because it is impossible to be deliberate, planful, cooperative and constructive. Everyone is angry. Things get destroyed. Nothing good happens."

<http://www.tbp.org/pubs/Features/Su13Bell.pdf>

*Apps & Other Useful Stuff*

Field trips & outdoor planning?

<https://twitter.com/pdfmaps>  
<http://www.avenza.com/pdf-maps>  
<https://twitter.com/Avenza>

Geospatial solutions for Adobe Creative Suite, MAPublisher for Illustrator & Geographic Imager for Photoshop. PDF Maps app for Apple iOS and Android.

**Mineral Club Links**

Lapidary and Mineral Society of Central Connecticut  
<http://www.lmscc.org/> (also on Facebook)  
 Bristol Gem & Mineral Club  
<http://bristolgem.org/>  
 Connecticut Valley Mineral Club  
<http://www.cvmineralclub.org/> (also on Facebook)

Stamford Mineralogical Society  
<http://www.stamfordmineralsociety.org/>  
 Mid-Hudson Valley Gem & Mineral Club  
<http://mhvgms.org/>  
 New Haven Mineral Club  
<http://www.newhavenmineralclub.org/>  
 Orange County Mineral Society  
<http://www.orangecountymineralsocietynewyork.com>  
 The North Jersey Mineralogical Society  
<http://nojms.webs.com/>  
 North Shore Rock and Mineral Club  
<http://www.northshorerock.org/>  
 and there are more to be found at  
<http://www.amfed.org/efmls/clubs.htm>

**The DMS is on Facebook!! Are You ?**

There are in fact a lot of rockhounds – and lapidary hobbyists of all types -- on Facebook. Sometimes the link will say “closed group” or you will have to send a request to join, and that is just to try to keep out spammers, so don't worry about it – not a test or anything like that.

So sign in or sign up at [www.facebook.com](http://www.facebook.com) and search for Danbury Mineralogical Society PAGE. Come on, you know you want to!

While you are there, check out the IAIS' page at [www.facebook.com/pages/The-Institute-for-American-Indian-Studies/94523613907?ref=ts](http://www.facebook.com/pages/The-Institute-for-American-Indian-Studies/94523613907?ref=ts) and

Rock, Gem and Mineral Clubs at [www.facebook.com/RockGemMineralClubs](http://www.facebook.com/RockGemMineralClubs)

You can see lots of fun shared photos (and meet other rockhounds) in the group “The Rockhound Connection”  
[www.facebook.com/groups/169785333057/10150901166988058/](http://www.facebook.com/groups/169785333057/10150901166988058/)

Mindat has a FB “group” page also, at [www.facebook.com/groups/mindat/](http://www.facebook.com/groups/mindat/) and there is their sibling page for Gemdat: <http://www.facebook.com/groups/141931992617518/?ref=ts&fref=ts>

American Geosciences Institute has a page at [www.facebook.com/agiweb](http://www.facebook.com/agiweb)

**Specialty Facebook groups? Sure!**

How about Trilobites Fakes and Restorations  
<https://www.facebook.com/groups/195247897325668/>

or

Lapidary Swap Shop

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

or

Micropaleontology

<https://www.facebook.com/groups/240978839376814/>

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**AFMS Code of Ethics**

- I will respect both private and public property and will do no collecting on privately owned land without the owner's permission.
- I will keep informed on all laws, regulations of rules governing collecting on public lands and will observe them.
- I will to the best of my ability, ascertain the boundary lines of property on which I plan to collect.
- I will use no firearms or blasting material in collecting areas.
- I will cause no willful damage to property of any kind – fences, signs, buildings.
- I will leave all gates as found.
- I will build fires in designated or safe places only and will be certain they are completely extinguished before leaving the area.
- I will discard no burning material - matches, cigarettes, etc.
- I will fill all excavation holes which may be dangerous to livestock.
- I will not contaminate wells, creeks or other water supply.
- I will cause no willful damage to collecting material and will take home only what I can reasonably use.
- I will practice conservation and undertake to utilize fully and well the materials I have collected and will recycle my surplus for the pleasure and benefit of others.
- I will support the rockhound project H.E.L.P. (Help Eliminate Litter Please) and Will leave all collecting areas devoid of litter, regardless of how found.
- I will cooperate with field trip leaders and those in designated authority in all collecting areas.
- I will report to my club or Federation officers, Bureau of Land management or other authorities, any deposit of petrified wood or other materials on public lands which should be protected for the enjoyment of future generations for public educational and scientific purposes.
- I will appreciate and protect our heritage of natural resources.
- I will observe the "Golden Rule", will use "Good Outdoor Manners" and will at all times conduct myself in a manner which will add to the stature and public "image" of rockhounds everywhere.

The Danbury Mineralogical Society Inc. is a non-profit corporation and is affiliated with the Eastern Federation of Mineralogical and Lapidary Societies and The American Federation of Mineralogical Societies. Meetings are held at 7:00 pm on the first Thursday of the month from October to June the Danbury Historical Society & Museum, Danbury, Connecticut. (Summer meetings have started to occur now that we no longer meet at a school.) Visitors and guests are welcome at all meetings. The January meeting is usually a dinner seminar. August is preparation time for our annual mineral and jewelry show in September.

Current membership dues are \$15 per adult individual \$20 per family (including children under 18), and \$10 for students and senior citizens. Only dues-paying members are covered by our liability and accident insurance and may receive the print version of the **Danburite**. **Please be sure we have your CORRECT email address on file! If you absolutely must receive your copy by real mail instead, please let us know that also. Cancellations and other critical updates are disseminated by email and on our Facebook page as well as the website.**

The particular objectives for which this Society is formed are:

- To promote general interest in mineralogy
- To study rocks, minerals, fossils and the lapidary arts through lectures and discussion groups and field trips.
- To encourage the search for minerals indigenous to our areas
- To keep an accurate and permanent record of all mineral localities visited by this society and to make such records available to all members.

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