

# **Nittany Mineralogical Society Bulletin**

Nittany Mineralogical Society, Inc.

P.O. Box 10664

State College PA 16805

Editor (see page 8):

David C. Glick

December, 2014

Visit our web site: [www.nittanymineral.org](http://www.nittanymineral.org)

December 17th meeting:

**Annual Holiday Dinner at  
Hoss's Steak & Sea House  
6:00 p.m. Wed. Dec. 17**

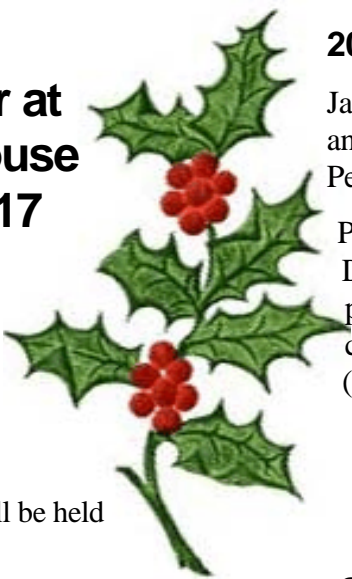
**Please sign up by  
Dec. 10  
if you can**

Our annual December dinner meeting will be held Wednesday, December 17th, 6:00 p.m., at Hoss's Steak & Sea House restaurant, 1450 North Atherton St., State College PA 16803.

If you plan to attend, **please RSVP** to NMS Secretary Ellen Bingham, stating the number of people in your group, at 814-234-4532 (leave a message) or e-mail [nittanymineral.org@gmail.com](mailto:nittanymineral.org@gmail.com) - by 6 p.m. Wednesday December 10 if at all possible (but if it's later or you need to make a change, contact Ellen anyway). Guests, junior members and their families, non-members and prospective members are welcome; just sign up with Ellen.

NMS will pay for some appetizers for the group. Individuals will then order their dinners from the menu and will have separate checks. Hoss's no longer adds a gratuity to the checks, even for groups, so please remember to tip your server. The menu should be as shown at <http://www.hosss.com/menu/> (choose the various sections on the right side). Almost all dinner entrees include Hoss's salad bar. (There's also a full reproduction of the menu at the independent web site <https://www.statecollege.com/dining/613/hosss-steak--sea-house/> but the prices are out-of-date.)

We'll have time before and after dinner to socialize. We won't have a formal meeting or program, but we'll have some door prizes. As always, feel free to bring a mineral specimen, lapidary project, etc. to show to everyone. Please come and join us for an enjoyable evening!



**2015 meetings:**

January 21: Dr. Barry Scheetz will speak on rare and unusual minerals from coal mine fires in Pennsylvania.

Program Chair Dr. Duff Gold and the Board of Directors are working on scheduling other programs for February through May. If you can give a program, please contact Dr. Gold (see p. 8).

**Charles R. Knight  
Art Exhibit  
at Carnegie Museum,  
Pittsburgh**



Painting by Charles R. Knight . Permission from Rhoda Knight Kalt.

from <http://www.carnegiemnh.org/exhibitions/>  
and the Winter issue of Carnegie magazine.

November 8, 2014 – April 26, 2015

R. P. Simmons Family Gallery

Carnegie Museum of Natural History

“The paleontological paintings of artist Charles Robert Knight (1874–1953) include some of the most recognizable dinosaur images of the 20th Century. But Knight also produced images of modern animals and early humans that are equally as stunning. *The Scientific Art of Charles R. Knight* showcases a selection of 10 artworks that span 200 million years, from the Mesozoic to the modern era. Complementing the exhibition are actual specimens from the scientific collection of Carnegie Museum of Natural History, showing the “real thing” that inspired Knight’s wondrous depictions of the natural world.”

Thanks to Craig Brandt for reporting this item -Editor

## Rossville Site Closed to Collectors

from Jeri Jones

courtesy of Rock Buster News

Newsletter of the

Central Pennsylvania Rock and Mineral Club, Inc.

Harrisburg, Pennsylvania

Volume 54 No.10 December 2014

I was notified by the property owner of the Rossville malachite/azurite location in northern York County that the site is now closed to collectors. The owners would appreciate that collecting cease. If anyone is seen at the site, the owners will notify proper authorities. Please pass the word, as this site has been collected since 1974. It is well advertised in books and articles. RJ Harris has added that the site has become dangerous.

## NEWS FROM THE FEDERATIONS

Nittany Mineralogical Society, Inc., is a member of EFMLS, the Eastern Federation of Mineralogical and Lapidary Societies, and therefore an affiliate of AFMS, the American Federation of Mineralogical Societies. We present brief summaries here in order to encourage readers to see the entire newsletters.

The **EFMLS Newsletter** is available through the link on our web site [www.nittanymineral.org](http://www.nittanymineral.org), or remind Dave Glick to bring a printed copy to a meeting for you to see. In the December issue, speakers for the 2015 EFMLS Workshops at Wildacres are announced. Bob Jones, Senior Editor for Rock & Gem Magazine will be with us at the spring session, Monday May 18 - Sunday May 24. The fall session will feature Denise Nelson, jewelry appraiser and designer. Each session will include six talks by the speaker. A list of classes and a registration form are provided. Cheryl Neary, Eastern Foundation Fund Auction Chair, asks that we "Please contribute to the annual EFMLS auction!" Matt Charsky requests that clubs volunteer to host EFMLS conventions; none are scheduled after 2015. The new chairman of the Conservation & Legislation Committee is Scott Peters, from Pennsylvania.

The **AFMS Newsletter** is available by the same methods. The December-January issue introduces Rockhounds of the Year from many clubs. Juniors Program Chair Jim Brace-Thompson emphasizes the importance of including - not excluding - children in club events. Additional items for the Endowment Fund drawing are pictured. The safety article covers some precautions for the holidays. New DVDs available from federation program libraries are described.

Please see the web sites for the complete Newsletters. There's a lot there!

- Editor

## NMS Member Shirley Fonda featured in Town & Gown

The December issue of State College's Town & Gown magazine includes a profile, by columnist and NMS volunteer and supporter Nadine Kofman, of paleontologist and NMS member Shirley Fonda and husband Tom. The article focuses on their cat rescue and adoption efforts, but also notes Shirley's scientific efforts in recovering mastodon and other bones at Frankstown and Saltillo, PA.

The article is on pages 22-23; the issue can be picked up at many business locations in the State College area, or [http://issuu.com/robschmidt80/docs/december\\_2014\\_t\\_g](http://issuu.com/robschmidt80/docs/december_2014_t_g)

As noted in the article, if you are interested in adopting a cat from the Fondas, call 814-238-4758.

*Thanks to Bob Altamura for reporting this item -Editor*

## Pennsylvania Geology Issue 44:3 Available

This year's third issue of Pennsylvania Geology magazine is now available online at the Pennsylvania Geological Survey's web site, <http://www.dcnr.state.pa.us/topogeo/publications/pageolonline/index.htm> (also linked from our club's main page).

The cover article, by Penn State professor emeritus Roger Cuffey and Survey personnel Clifford Dodge and Vik Skema, describes an "Unusual Soft-Bodied Bryozoan Fossil Discovered in Strip Mine in Elk County, Pennsylvania." It is the first fossil ever found of the soft-bodied "dead-man's-fingers" variety of bryozoan.

"The Hidden Hazards of Sharp Mountain" by Mark A. Brown describes the geology, anthracite mining history and subsequent cropfalls (collapses of the remaining coal in vertical seams after underground mining) south of Pottsville in Schuylkill County.

Other articles cover the Bureau's summer interns and their projects, the student internship experience, and Kids Day Festival at Reeds Gap State Park. The Festival included "earth painting" with natural clays and earths of various colors (donated by State College area geologist and clay artist Roger Pollok).

## John Passaneau Memorial Jan. 24

An obituary for NMS member John Passaneau appeared in the Centre Daily Times on Dec. 6, and should soon be available on their web site. It states that memorial services will be conducted at The State College Evangelical Free Church, 1243 Blue Course Dr., State College PA 16801 on Saturday January 24, 2015, at 1:30 p.m. Donations in his memory may be made to the Nittany Amateur Radio Club, PO Box 614, State College PA 16804, or to NMS. Our own memorial article appeared in the November issue of this Bulletin.

- Editor

*Thanks to Jan Mutmanský for reporting this item.*

## Brookmyer Collection at Carnegie Museum

Our May 2014 issue reported on the Carnegie Museum of Natural History acquiring the Bryon Brookmyer Collection of Pennsylvania minerals. Carnegie Magazine’s Summer 2014 issue included a well-illustrated article (pages 20-25) on Brookmyer, his collecting history which started in childhood, and how he came to collaborate with Carnegie minerals section head Marc Wilson and eventually donate his collection to the museum. It quotes Brookmyer as saying, “It means a lot that the collection is in a museum in Pennsylvania where people who live here can see it. And who knows, maybe it will light a fire in the next kid-collector.”

To see the article, go to <http://www.carnegiemuseums.org/cmp/cmag/index.php?issue=42> and choose the “rockhound” article. At the bottom is a “download PDF” link - this will give you the article with some larger photos, exactly as it was laid out in the magazine.

Also in that issue is an article about the annual Pittsburgh Regional Science & Engineering Fair. \*

## Geo-Sudoku

by David Glick

This puzzle contains the letters ACDEILRSW, and one row or column spells EFMLS’s North Carolina retreat. Each block of 9 squares, each row, and each column must contain each of the nine letters exactly once. The solution is on page 8.

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| I | D | A |   | L | E |   |   |   |
|   | L |   |   |   |   | E | C | I |
|   |   |   |   | R |   | A | D |   |
| S |   |   | E |   |   | W |   | D |
| D |   | C |   |   | L |   |   |   |
|   |   |   |   |   | I | S | L | C |
|   | S | W |   |   |   |   |   | R |
| L | R | D | A |   | S |   |   | E |
|   |   |   | L | E | R |   | W |   |

## Fluorescent Mineral Society on Facebook

The Fluorescent Mineral Society has a well-illustrated Facebook page - it’s linked from the “Links” page of our web site, or go to <https://www.facebook.com/pages/Fluorescent-Mineral-Society/1456225681303184>

## Wow! Spectacular Speakers, Wonderful Classes

by Steve Weinberger, Wildacres Committee Chair

From December-January EFMLS News



I’m excited to announce that the speakers for our 2015 EFMLS Workshops at Wildacres have been confirmed.

**Bob Jones**, Sr. Editor for Rock & Gem Magazine will be with us in spring.

**Denise Nelson**, jewelry appraiser and designer will be our fall speaker.

Dates for spring are Monday, May 18 to Sunday, May 24. We’re awaiting notification from the Blumenthal Foundation about our fall session dates and will publish them in the next newsletter and on the EFMLS Wildacres website as soon as available.

More good news! The fee for our 2015 sessions will remain the same as last year — \$390 per person. This includes room and board, gratuity for the Wildacres staff, six talks by our outstanding speaker-in-residence and registration in classes. What a deal!

✱Imagine – a week in the mountains of North Carolina away from the hustle, bustle and noise of our normal lives.  
 ✱Imagine – a week immersed in our hobby – whether you’re interested in jewelry, lapidary or minerals.  
 ✱Imagine – a week of no cooking, housekeeping, errand running, blaring radio or TV.  
 ✱Imagine – six fabulous talks given by either Bob Jones (Spring) or Denise Nelson (fall).  
 ✱And imagine – a fun filled week that includes an auction, field trip, a day set aside for you to explore the area (Asheville is but an hour away) and much, much more!

A complete list of our spring classes can be found on page 5 of this issue and a registration form on page 6. Let’s keep the fall session momentum going (we had a waiting list!), and fill all of our available spaces. The experience of an EFMLS Wildacres Workshop is one you won’t want to miss.

More information about our Workshops can be found on our web page ([efmls-wildacres.org](http://efmls-wildacres.org)). More information about the Wildacres Retreat facility can be found at [www.wildacres.org](http://www.wildacres.org).

I’m looking forward to sharing the EFMLS Wildacres Workshop experience with you and your club mates. Register early for your best opportunity to gain admittance to your first choice of classes.



# Rutgers Geology Museum

## 47<sup>th</sup> Annual Open House



**SATURDAY, JANUARY 31, 2015**

PRESENTATIONS IN SCOTT HALL ROOM 123

|  |  |
|--|--|
| <p>10:00 am to 11:00 am</p> <p><b>"A Dip in the Ocean: An Interactive Exploration of How the Ocean Impacts You and How You Impact the Ocean"</b></p> <p><i>Presented by Janice McDonnell</i></p> <p>Rutgers University<br/>Department of Marine and Coastal Sciences</p> | <p>1:30 pm to 2:30 pm</p> <p><b>"The Art of the Geological Map"</b></p> <p><i>Presented by Dr. Don Monteverde</i></p> <p>New Jersey Geological and Water Survey<br/>Rutgers University<br/>Department of Earth and Planetary Sciences</p>                        |
| <p>11:30 am to 12:30 pm</p> <p><b>"Extremophilic Environments and Microbial Diversity Within"</b></p> <p><i>Presented by Dr. Ramaydalis Keddiss</i></p> <p>Kean University<br/>Department of General Studies</p>   | <p>3:00 pm to 4:00 pm</p> <p><b>"Earth's Cocktail Party: Deciphering the Physics of Earthquakes with Networks of Seismic Arrays"</b></p> <p><i>Presented by Dr. Jean-Paul Ampuero</i></p> <p>California Institute of Technology<br/>Seismological Laboratory</p> |

### Mineral Sale - Scott Hall Room 135 from 9:00 am to 4:00 pm

- Rock and mineral identification – Scott Hall Room 206 from 11:00am to 2:00 pm
- Make-and-take stations for kids (all ages) - Geology Museum from 11:00 am to 3:00 pm

### Hands-on activity sessions for kids (ages 8+) in Scott Hall

|                     |          |              |
|---------------------|----------|--------------|
| 11:00 am - 12:00 pm | Room 203 | Outbreak     |
|                     | Room 204 | Stone Tools  |
|                     | Room 205 | Earth Impact |
| 2:00 pm - 3:00 pm   | Room 203 | Outbreak     |
|                     | Room 204 | Stone Tools  |
|                     | Room 205 | Earth Impact |
| 3:00 pm - 4:00 pm   | Room 203 | Outbreak     |
|                     | Room 204 | Stone Tools  |
|                     | Room 205 | Earth Impact |



Educators who attend Museum presentations can receive credit toward their professional development requirements. The Geology Museum is registered as a provider with the NJ Department of Education.

**CART Captioning Services** will be available for all RUGM lectures. Contact the museum at 848-932-7243 or at [museum@rci.rutgers.edu](mailto:museum@rci.rutgers.edu) for more information about this event.

Check out our website at <http://geologymuseum.rutgers.edu>

## WILDACRES SPRING CLASSES – MAY 18 24, 2015. SPEAKER-IN-RESIDENCE: BOB JONES

| Class & Instructor                                  | Description   |
|---|---|
| Beading and Findings<br>Mia Schulman                | Knotting is back. You will learn how to make a knotted bead necklace as well as how to identify and properly use “findings” such as jump rings and clasps. If time permits you can also make a bracelet and/or earrings to match. 2-day class offered first semester. No prior experience necessary.  |
| Knitted Wire and Bead Bracelet<br>Mia Schulman      | Don't worry, you don't have to know how to knit. These bracelets are stunning and people are always surprised when told they are knitted. 2-day class offered second semester. No prior experience necessary.   |
| Cabochons – Basic<br>Bernie Emery                   | Learn to transform a piece of rock into a shiny, well-formed cabochon. You will learn the use of the trim saw as well as basics of grinding, sanding and polishing. Slabs are provided or students may use their own with approval of the instructor. Please bring an apron and safety glasses. 2-day class offered first semester. No prior experience necessary.  |
| Cabochons - Intermediate<br>Bernie Emery            | Learn to cut different shapes and the techniques needed to do so. Slabs are provided or students may use their own with approval of the instructor. Please bring an apron and safety glasses. Prerequisite: Students must have prior experience with cabbing and use of the trim saw. 2-day class offered second semester.  |
| Chainmaille – Basic<br>Roger Campbell               | Learn the ancient art of chainmaille using non-soldered copper jumpings. Students will learn different weaves while completing class projects. All tools will be provided. An optivisor or other magnification would be helpful. 2-day class offered first semester. No prior experience necessary.   |
| Chainmaille – Continued<br>Roger Campbell           | The 2nd semester class will be a short review of chainmaille and students will learn additional weaves. All tools will be provided. An Optivisor® or other magnification would be helpful.  |
| Faceting<br>Larry Heath                             | Students will learn to cut and polish a 57-facet round brilliant gemstone. In addition, they will learn how to identify well-cut stones, select rough material and see whether or not they enjoy this fascinating aspect of the hobby. Students are asked to bring an Optivisor (#7 or #9) and an apron. 4-day class. No prior experience necessary.  |
| Fused Glass – Advanced<br>Becky Edmundson           | Students will learn to use a wet saw to cut shapes, a grinder to smooth the glass, and a jeweler's bit to cut a channel in the piece before it is fire polished in a kiln. You should expect to complete a minimum of two pieces. Students are asked to bring safety glasses and, if you own them, a glass cutter and breaking pliers. No prior experience necessary. 2-day class offered first semester. Note: The advanced class is offered before the basic class for fused glass because more firing time is required for the more complex pieces.  |
| Fused Glass – Basic<br>Becky Edmundson              | Fused glass is the art of cutting and layering pieces of glass and then firing them in a kiln. Dichroic coated glass gives a 3-D look. Students will learn the basics of cutting and firing the glass and will complete at least two pieces of jewelry. Students are asked to bring safety glasses and, if you own them, a glass cutter and breaking pliers. 2-day class offered second semester. No prior experience necessary.  |
| Photographing Small Mineral Specimens – Bruce Gaber | Students will learn to set up, light and photograph small mineral specimens to show off their beauty. 2-day class offered first semester. No prior experience necessary.  |
| Modern Macrophotography<br>Bruce Gaber              | The natural world is often at its most wonderful when viewed – and photographed – with magnification. Minerals, flowers, insects, all can reveal dramatic beauty in the space of moderate Magnification. We will learn the tools and techniques to be photographic explorers of this space. In addition to lens selection, lighting, and of course choice of appropriate subjects, we will use state-of-the-art digital techniques such as focus stacking and high dynamic range imaging. And we'll have a lot of fun while we're at it. 2-day class offered second semester. No prior experience necessary.  |
| Basics of Scrimshaw<br>Sandra Brady                 | Scrimshaw, a folk art dating back centuries, is a special form of engraving applied to ivory and similar materials. This course offers an excellent way to begin traditional scrimshaw. Working with a hand scribe you will learn attractive shading techniques and how to work on both natural and man-made materials. You will also learn basic composition and tool sharpening, as well as transfer methods for those who are “drawing challenged.” An optivisor or other magnification is recommended. 2 day course offered first semester. No prior experience necessary.  |
| Scrimshaw – Color Basics<br>Sandra Brady            | Building on the methods taught in the first semester, students will be introduced to color. Again, working on both natural and man-made materials, modern scrimshaw methods utilizing the beauty of color will be explored. Preservation of your art work will be included. Bring an optivisor. 2-day course offered second semester. Prerequisite: Basics of Scrimshaw.  |
| Silversmithing - Basic<br>Richard Meszler           | Have fun learning the basics of working silver sheet and wire to fabricate jewelry. The projects will introduce you to annealing and bending/shaping/texturing metal, soldering, piercing and polishing. 2-day class offered 1st semester. No prior experience necessary.   |
| Silversmithing – Intermediate<br>Richard Meszler    | Continue your education working with metals by doing a more complex project. You will learn to make a bezel and ball in which you will set a cabochon to make a pendant. 2-day class offered second semester. Prerequisite: Basic silversmithing experience including soldering.  |
| Wirewrapped Jewelry<br>Jacolyn Campbell             | Using pliers, gold-filled or sterling silver wire, assorted beads or gemstones, and a few basic wirecraft techniques, learn how to create your own fashion rings, bracelets, pendants and earrings to add that perfect accent to your jewelry wardrobe or to give as gifts. All tools and materials will be provided. #1 - Designed for beginners, participants will make an adjustable ring, two bracelets, a pendant and two pairs of earrings. 2-day class offered <b>first</b> semester. #2 - Designed for those with some experience (or a brave beginner) participants will make a fitted ring, two pairs of earrings, a cabochon pendant and a bracelet. 2-day class offered <b>second</b> semester. |

# 2015 EFMLS Wildacres Registration

PLEASE, ONLY one person per form per session

CHECK ONE: May 18-24: \_\_\_\_\_ Fall: to be determined

Please fill out a separate registration form for each person attending and return to PAMM BRYANT, Registrar at 2645 Davis Mill Rd, Goochland, VA 23063. **No registration will be accepted prior to January 1, 2015.** (To make it easier for the registrar and others, please do not change or revise this form. You may photocopy it as needed.) Please write legibly!

Name (as you wish it to appear on your name badge): \_\_\_\_\_

Street: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone number with area code: \_\_\_\_\_ e-mail: \_\_\_\_\_

Club/Society Affiliation: \_\_\_\_\_

Fee for each session is \$390.00 per person. Deposit is \$185 per person, payable with registration. Make checks payable to "EFMLS". Balance of fee is due 30 days prior to start of session. No postdated checks will be accepted.

**Cancellation policy: If unable to attend, fees paid will be refunded if notification is given prior to one month before the session begins. No refund will be made after that date.**

Circle appropriate responses:

Have you been to Wildacres before? Yes \_\_\_\_\_ No \_\_\_\_\_ Is your Club paying your tuition? Yes \_\_\_\_\_ No \_\_\_\_\_

Name of roommate: \_\_\_\_\_ (If none, one will be assigned).

Are you: Male \_\_\_\_\_ Female \_\_\_\_\_ (No single rooms are available). Are you a smoker? Yes \_\_\_\_\_ No \_\_\_\_\_

Do you have any physical handicaps and / or special dietary needs? Yes \_\_\_\_\_ No \_\_\_\_\_

If YES, please explain on reverse side.

Do you have material for exhibiting that you would be willing to display at Wildacres? Yes \_\_\_\_\_ No \_\_\_\_\_

Do you have a skill to demonstrate or a program to share (up to 40 minutes)? Yes \_\_\_\_\_ No \_\_\_\_\_

## Class Pre-registration

See EFMLS Newsletter or Website ( [efmls-wildacres.org/](http://efmls-wildacres.org/) ) for class offerings.

You will either be able to take one 4-day class or two 2-day classes. All participants must take classes.

Which of the classes being offered would you like to take? Please indicate at least 3 choices in order of preference for each semester. You will be preregistered for classes based on your choices, but no class placement is guaranteed. Should your preferred class be unavailable for any reason you will be preregistered for another of your choices. If no alternate class preference is indicated we will pre-register you in a class of our choosing, based on availability.

### 1st Semester or 4 day classe choices

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_

### Second Semester

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_

## (No registrations accepted prior to January 1, 2014)

Mail to: Pamm Bryant, Wildacres Registrar; 2645 Davis Mill Rd; Goochland, VA 23063

## If you have any questions, please contact either

Pamm Bryant, Registrar at <[pjbryant6@juno.com](mailto:pjbryant6@juno.com)> or 804-457-4698 or  
Fran Sick, Director at <[ednfran@epix.net](mailto:ednfran@epix.net)> or 570-928-8313.

### For Office Use Only

ID # \_\_\_\_\_

Date Rec'd" \_\_\_\_\_

Amt. Paid: \_\_\_\_\_

Ck #: \_\_\_\_\_

Amt. Paid: \_\_\_\_\_

Ck #: \_\_\_\_\_

Paid in Full: \_\_\_\_\_

## Classifieds

Ads may be submitted to the Editor (see p. 8)

**FOR SALE:** Long-time Pennsylvania collector John 'Pen' Ambler in Hollidaysburg has books, specimens and more for sale. Pen reports: "I have some 10 – 15 cartons of books on mineral and mineral related subjects. My cataloged collection consist of upwards of 6,000 specimens some of which were the Ed Carper collection. The specimens are cabinet, small cabinet, hand-sized, miniature, thumbnail and micro minerals. Many of the minerals are PA and eastern U.S.; however, it is a varied collection. There are lapidary materials (slabs and some bulk); limited fossils; tumbled stones including PA amethyst; UV materials and equipment; supplies (boxes, etc.)." Please contact Pen by email: [bridger@atlanticbb.net](mailto:bridger@atlanticbb.net)

**FOR SALE:** 2 Homemade Lapidary saws for sale - 14" and 18". Both come with working motors, arbor, belt, pulley, rock clamp/carriage, and a blade. Both are mucked-out and ready to move. Both could use a little TLC. For more info contact Mike Zelazny at [fabricatefilm@yahoo.com](mailto:fabricatefilm@yahoo.com)

### FOR SALE:

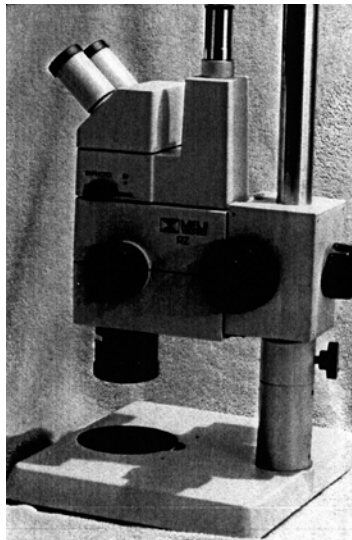
#### Collection, Microscope & Accessories, Crystal Models

Avid collector wants these to be purchased by someone who would appreciate them. Contact Frank & Gail Beall, 724-789-7290. See much more complete listing at [www.nittanymineral.org/beall.pdf](http://www.nittanymineral.org/beall.pdf)

**Meiji RZ-B Trinocular Microscope system:** two 10x eyepieces plus zoom yield 7.5x to 75x viewing. Wide field. High stand with long focus distance allows viewing, for instance, into a "cantaloupe-size" geode.

Equipped for photography with trinoc tube for mounting separate photo "eyepieces" (included) and camera (not included) at the same time. Iris diaphragm to control depth of field. Separate Fiber-Lite brand FL-181 variable-intensity illuminator with halogen bulb and two flexible fiber-optic arms about 22" long. Focusing lenses (change the lighting spot from 1/4 inch to inches in diameter without moving the arms) and filter holders on the illumination arms. Built-in cooling fan; anti-vibration table (over 100 lbs) built according to specifications from Jeff Scovil to prevent blurred photos caused by fan vibration. Camera is mounted via T-mount which would need to be ordered for the user's specific interchangeable-lens camera model.

Customized case, manuals, calibration slide, spare bulbs, etc. are included. Exceptionally high quality microscope, used



for one project in 2004-5 and virtually unused since then. Paid \$6,000 in 2004, would cost several times that today. \*\*Only reasonable offers, please.\*\* It will still be a bargain for the right person.

**Mineral Specimens:** High-quality specimens, many already sold. Those remaining at this time include:

Tetrahedrite, Zacatecas, Mexico, 5x4"

Pyrite & Marcasite, Idarado Mine, Ouray, Colo. Ex-Carnegie Museum, was on display for nearly two decades. 10.5 x 6"

Mesolite, Nasik, India 2.75", paid \$120.

Barite on quartz, Old Mines, MO. 4x3"

Tetrahedrite, Peru 5x4", paid \$350.

Smoky quartz, amazonite, albite. Albany NH. Ex-Carnegie Museum. 4.5x3"

Andradite garnet, Calaveras County CA. 5.5x3.5"

Elbaite (tourmaline) on albite Var, cleavelandite, Minas Gerais Brazil. Ex-Carnegie Museum. 9x3.5"

Quartz pseudo after barite, Ouray CO, Ex-Carnegie Museum Hillman Hall display 7x6"

Calcite & strontianite, Winfield PA, 6.5x5", Ex-Carnegie.

Rhodochrosite, quartz & tetrahedrite, Rob's Pocket, Sweet Home Mine, Alma CO. 3x2". 2014 appraisal \$2,300.

Ruby, garnets, amethyst, selenite, apophyllite & stilbite, galena & calcite, others.

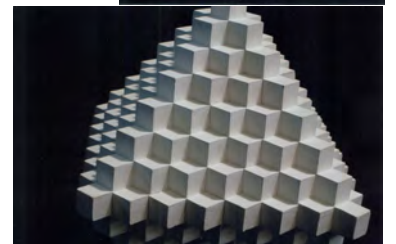
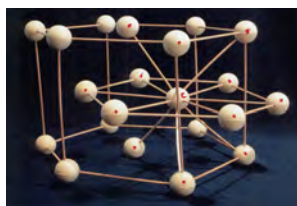
Extensive life-long collection of pyrite specimens, many still available. A number of rare or unusual forms and from a variety of locations, a variety of sizes from thumbnail to several pounds. Stored in several sealed containers with desiccant.

**General collection** of approx. 500 mineral specimens in plastic "keeper" boxes; some fossils and cave formations. Thumbnail to almost hand-size.

**Crystal Models:** Plexiglas, wood, cast acrylic, ball-and-stick.

Exhibit case & educational materials.

Scroll-sawed art replicating mineral specimens: 16x12" framed calcite, 16x12" framed iron pyrite.



## Some Upcoming Shows and Meetings

Our web site <http://www.nittanymineral.org> has links to more complete lists and details on mineral shows and meetings around the country. See [www.mineralevents.com](http://www.mineralevents.com) for more.

**January 24, 2015:** Mineral & Fossil Swap & Sell, by Phila. Mineralogical Soc. Cathedral Village, 600 East Cathedral Rd., Philadelphia PA 19128. Sat. 9-1 [www.philamineralsociety.org](http://www.philamineralsociety.org)

**January 31, 2015:** Rutgers Geology Museum Open House, Rutgers University Geology Museum and Scott Hall, New Brunswick, NJ. 9-4. See page 6, and <https://geologymuseum.rutgers.edu/museum-events/open-house> (Parking and additional information on web site)

**March 7-8, 2015:** Annual Gem, Mineral & Fossil Show, by Delaware Mineralogical Soc. Delaware Technical & Comm. College, 400 Stanton-Christiana Rd., Newark, DE <http://www.delminsociety.net/marchshow.htm>

**March 27-29, 2015:** EFMLS Convention and Show, Hickory, North Carolina. Field trips.

**March 28-29, 2015:** Philadelphia Mineral Treasures and Fossil Fair, by Phila. Mineral. Soc. & Delaware Valley Paleo. Soc. Lulu Temple, 5140 Butler Pike, Plymouth Meeting, PA

**March 28-29, 2015:** Rock & Mineral Show by Che-Hanna Rock & Mineral Club. Athens Township Vol. Fire Hall, 211 Herrick Ave., Athens PA. <http://www.chehannarocks.com/show.html>

**April 18-19, 2015:** North Museum Rock, Mineral & Fossil Show, by North Museum of Natural History & Science. Farm & Home Center, 1383 Arcadia Rd. Lancaster PA

**May 2-3, 2015:** Treasures of the Earth 2015, Annual Show & Sale by The Mineralogical Society of Northeastern Pennsylvania. Oblates of St. Joseph, 1880 Hwy 315, Pittston PA 18640. Sat 10-5, Sun 10-4.

**May 16-17, 2015:** World of Gems and Minerals Show, by Berks Mineralogical Soc. Leesport Farmer's Market, Route 61, Leesport, PA.

**June 6, 2015:** Spring Mineralfest, by Penna. Earth Sciences Ass'n. Macungie Memorial Park, Poplar St., Macungie PA. Sat. only, 8:30-3:00.

### Geo-Sudoku Solution

|   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|
| I | D | A | C | L | E | R | S | W |
| W | L | R | S | A | D | E | C | I |
| C | E | S | I | R | W | A | D | L |
| S | I | L | E | C | A | W | R | D |
| D | W | C | R | S | L | I | E | A |
| R | A | E | W | D | I | S | L | C |
| E | S | W | D | I | C | L | A | R |
| L | R | D | A | W | S | C | I | E |
| A | C | I | L | E | R | D | W | S |

### INVITE A FRIEND TO JOIN THE SOCIETY

The Nittany Mineralogical Society prides itself on having among the finest line-up of speakers of any earth sciences club in the nation. Everyone is welcome at our meetings. If you'd like to be part of our Society, dues are \$20 (regular member), \$7 (student rate), \$15 (seniors), \$30 (family of two or more members, names listed). Those joining in March or later may request pro-rated dues. Your dues are used for programs and speakers, refreshments, educational activities, Bulletins, and mailing expenses. Please fill out a membership form (available at [www.nittanymineral.org](http://www.nittanymineral.org)), make checks payable to "Nittany Mineralogical Society, Inc." and send them in as directed, or bring your dues to the next meeting.

**We want to welcome you!**

### SOCIETY OFFICERS

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 Door Prizes: *volunteer needed!*  
 Refreshments: *volunteer needed!*  
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The **Bulletin Editor** will welcome your submissions of articles, photos, drawings, cartoons, etc., on minerals, fossils, collecting, lapidary, and club activity topics of interest to the members. Please contact:

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Newsletter submissions are appreciated by the first Wednesday of the month. If you include photographs or graphics, please do not embed them in word processor files; send them as separate graphics files (TIF, or good to highest quality JPEG files, about 1050 pixels wide, are preferred). Please provide captions and name of photographer or artist.

Visit us at [www.nittanymineral.org](http://www.nittanymineral.org)