

Nittany Mineralogical Society Bulletin

Nittany Mineralogical Society, Inc.
P.O. Box 10664

State College PA 16805

Editor (see page 4):

David C. Glick

September, 2013

Visit our web site: www.nittanymineral.org

September 18th meeting:

Cave Minerals and Mineralogy

by Dr. Will White

Our September meeting will be held Wednesday the 18th in the room 114 auditorium of Earth & Engineering Sciences Building on the west side of the Penn State campus in State College, PA. Maps are available through our web site.

6:30 to 7:30 p.m.: Social hour, refreshments in the lobby

7:30 to 8:00 p.m.: announcements, questions, answers;
door prize drawings

about 8:00 p.m.: featured program

The event has free admission, free parking, and free refreshments, and is open to all; **parents/guardians must provide supervision of minors.** Bring your friends and share an interesting evening.



"Cave Popcorn" with frostwork, Wind Cave National Park, South Dakota. National Park Service photo by Paul Horsted, public domain.

ATTENDING THE SEPTEMBER MEETING?

Donations of labeled **door prize specimens** are invited.

Your donated snacks and drinks will be welcomed.

(Would you like to be Refreshments Coordinator?)

Bring a friend!

Volunteers Still Needed

from David Glick

We are still seeking programs for our monthly meetings, help presenting Junior Rockhounds meetings, and Coordinators for door prizes and refreshments. Please contact Dave Glick if you can help.

Volunteers are also invited for Bob Altamura's lapidary demonstration on October 6th - see page 2.

Junior Rockhounds: We are investigating holding meetings on Saturdays. Please watch for news.

Dues are Due!

by David Glick, NMS President

Our membership year ends in just six weeks, so it's time to pay dues. For current members, a form is enclosed; the form and payment can be mailed in or brought to our September meeting. Your **prompt payment helps a lot** in reducing work for our volunteer staff. The rate remains at \$20 for an individual member, with other options available. Forms may also be downloaded from our web site.

The dues form includes a line for "don't send a printed Bulletin." If you read the Bulletin on the web site anyway, you can help reduce our printing and mailing expenses by checking this line. You can go back to the printed version, or request individual printed issues, at any time.

Annual Meeting and Elections in October:

Report of the Nominating Committee

by David Glick, NMS President

Notice is hereby given that the October 16th meeting will be the **Annual Meeting of the Corporation**, and will include election of officers. In accordance with our bylaws, the Board of Directors, acting as the Nominating Committee, announces the following slate of candidates. No other volunteers or nominations have been received, and these incumbents have agreed to serve again:

President: David Glick

Vice-President: Robert Altamura

Treasurer: John Passaneau

Secretary: Ellen Bingham

Any additional nominations or volunteers for the elected positions should be made as soon as possible. The Board again requests additional volunteers to get involved with running the Society, providing **new energy and fresh thinking**. In many cases it would be useful to have newcomers spend some time on committees and attending Board meetings before stepping into elected office. All members: please consider volunteering! We could use help in organizing door prizes, refreshments, publicity, the Bulletin, and more. Members are invited to attend Board meetings (generally held on the first Wednesday of the month at 7:30 p.m. - check with the President), to see how we operate.

Lapidary - Gemstone Carving- at Harvest Festival on October 6th

by Bob Altamura

Lapidary crafts will be demonstrated at the Houserville-Lemont Parent Teacher Organization (PTO) annual Harvest Festival on Sunday October 6th from 4-6 p.m. It will be held at the Houserville Elementary School, 217 Scholl Street, in the Houserville section of the east side of State College. The event will have carnival games, crafts exhibits, food, and a magician. The purpose of the festival is to build community among students and their families. The Harvest Festival web site <<http://www.scasd.org/Page/14875>> indicates that more information about the event will be posted soon.

NMS member Bob Altamura will again offer the educational booth on lapidary for this event. On display will be lapidary materials from rough rocks to slabs to cabochons (carved & polished geometric and free-form shapes) and finished handcrafted jewelry. Gem materials that will be displayed will include: agates, jasper of a variety of colors and textures including red and picture jasper, lapis lazuli, malachite, and tiger's eye. Some local gem materials (oolitic chert, banded black chert) and other Pennsylvania material (metarhyolite) will also be exhibited. Lapidary equipment used for carving and polishing including rock saws, grinding wheels, and tumblers will be exhibited. Live demonstrations of gemstone carving & polishing and tumbling will be part of the presentation. A tumble-polished sample of silicified rock (jasper) will be given to visitors as an NMS/Festival souvenir.

There is a fair amount of work associated with offering such an educational booth and there is an opening for an NMS volunteer to participate. If you have an interest, please get in touch with Bob (see p. 4).

Earth and Mineral Sciences Film Series

Penn State's Earth & Mineral Sciences Library (105 Deike Building, University Park campus) hosts a film series, 12:15 p.m. each Wednesday. The films cover earth science and environmental topics; several of this semester's films are about the oceans. Others include rare earths, renewable energy, dam removal, and light. See the schedule at <http://www.libraries.psu.edu/psul/emsl/aboutus/filmseries.html>

- Editor

Mineral and Lapidary Moving Sale

Willard Truckenmiller will hold a mineral and lapidary moving sale Friday and Saturday, October 11 and 12, 10:00 a.m. to 4 p.m., at 124 School House Drive, Howard, PA 16841. Directions and a list of mineral specimens from worldwide localities, and other items, are on our web site: www.nittanymineral.org/willard2.htm Lapidary and jewelry tools include a vibrating tumbler, used diamond wheels, arbor motor, sanding discs, acetylene tank and torch, and solder. Lapidary materials include various slabs, rough material especially jasper and agate, small pieces of Tampa and Suwannee River coral, small nodules, turquoise, and petrified wood. Books include those on gems and collecting; Paul Desautels; History of Mineral Collecting; The Opal Book by Frank Leechman; Mineralogy and Mineral Recognition by Dexter Perkins.

- Editor

Penn State presents a series of Shale Webinars

The Penn State Extension Marcellus Education Team presents the Webinar Series 2013. Registration is not necessary, and all are welcome to participate by logging in to <https://meeting.psu.edu/pscems/> The webinars are also included in the larger list of events and conferences at <http://extension.psu.edu/natural-resources/natural-gas/events>

September 19 1:00 -2:00 p.m.

Marcellus Reserves and Estimates by Production Data
Terry Engelder, Professor of Geosciences, Penn State University

October 17, 2013 1:00 -2:00 p.m.

Midstream Operations, Infrastructure, and Market Demands
Mark D. Casaday, Executive Vice President and COO,
Midstream - Marcellus, PVR Partners

November 21: Bradford County Community of Planning:
Resources for the Community

Ray Stolinas, Planning Director, Bradford County Office of
Community Planning and Grants

December 19: Drilling and Pipeline Cuttings Reclamation

Averill Rance, Vice President EH&S, and
Daniel Mueller, General Manager, Drilling Services, Clean
Earth

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, or remind Dave Glick to bring a printed copy to a meeting for you to see. The September issue begins with the 2013 Citation Award, to Mary Bateman, who served as President, in many other offices, and as Bulletin Editors Advisory Committee Chair for over ten years. President Cheryl Neary writes about the importance of bringing the next generation - and the one after that - into our hobby and our clubs; social media may help, as well as contacts with elementary schools. Ellery Borow's safety article concerns loose ends - neckties, shirt sleeves, loose gloves, as well as (humorously) his trademark extra-long convention ID badge necklace. Keep those loose ends secured when in the presence of lapidary equipment, swinging hammers, open flames, and other hazards! Two Pennsylvania clubs were recognized for 1000% (\$10 per member) contributions to the Eastern Foundation Fund. More information is presented on the AFMS Scholarship recipients at Stony Brook University (and their photos are on the final page); Courtney Melrose is researching loess (silt-sized wind-blown deposits) on Long Island, and Joseph Tamborski is working on the use of radon and thermal imaging to determine the amount of submarine groundwater discharge in the bays and harbors on the North Shore of Long Island. They were chosen by Dr. Gilbert Hanson, who was the guest speaker at the EFMLS Awards Banquet this June; both students also spoke there about their work. The death of Pat Mummert is reported; she was the 1993 EFMLS President, and was active in teaching about exhibiting minerals and many other aspects of the Federation. Minutes of the 2013 annual meeting are presented, including the need to publicize and increase attendance at the Wildacres workshops (see their web site at efmls-wildacres.org). **The 2014 EFMLS Convention will be March 29-30 in Plymouth Meeting, PA.**

The **AFMS Newsletter** is available by the same methods. The September issue starts with some thoughts on how and how not to work with the clubs and committees which host and organize Federation conventions. The final list and photos of Endowment Drawing prizes is presented. Club Rockhounds of the Year are introduced, and other committee activities are reported.

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

NOTE FROM THE PRESIDENT

by David Glick

If I had a blog, this week I'd be blogging about the Penn State student **Geosciences Club**. Their members have helped us out at our Minerals Junior Education Day over the last few years, and we were pleased to have many of them join us at our picnic in August. This week I went to their meeting to tell them more about NMS and our activities. What a great, active group! There were more than 20 students there, making plans for meetings, short trips, long trips, caving, group dinners with professors, and sports activities. We'll be looking for ways for our two clubs to interact and support each other. We hope to see their members at our meetings; please welcome them - and all other visitors - when you see them.

We're making progress on our **monthly program** schedule. In October we'll have Dr. Charles Miller Jr. speaking on the fossils of the Eocene Green River Shale in Wyoming and Colorado. November's still open (please volunteer!); for December we're planning a holiday dinner at a new location; in January we'll have a program celebrating NMS's 20th anniversary. In February we'll recap a program from our early history, and we hope to schedule Geode Night in march as usual.

Don't miss Willard Truckenmiller's mineral and lapidary **moving sale** - see page 2.

Geo-Sudoku

by David Glick

This puzzle contains the letters AEFHILSTV, and one row or column includes where lapidary will be demonstrated on October 6. Each block of 9 squares, each row, and each column must contain each of the nine letters exactly once. The solution is on page 4.

S			A			I	T	
		I		E		S	H	F
		E		T	I			L
			F	I				
	H					F		E
		F		S	H			
					L	T	E	S
		A	E	F		L	V	
		S				A	F	

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.

Sept. 14-15, 2013: Central Pennsylvania Rock & Mineral Club's 48th Annual Gem, Mineral, and Jewelry Show. Zembo Shrine Center, 2801 N 3rd St (3rd & Division Sts), Harrisburg PA 17110. Sat. 10-6, Sun 10-5. See details and print a coupon at <http://www.rockandmineral.org/annualshow.htm>

Sept. 18-22, 2013: American Federation and Southeast Federation Conventions and Jacksonville Gem & Mineral Society 25th Annual Gem & Mineral Show & Sale, Jacksonville, Florida. <http://www.amfed.org/show2013.htm>

Sept. 28-29, 2013: Franklin-Sterling Hill Mineral, Gem, and Jewelry Show by Franklin-Ogdensburg Mineralogical Society and the Franklin Mineral Museum. Franklin Borough School, 50 Washington Avenue, Franklin NJ. Indoor show 9-5 Sat, 10-4 Sun; outdoor swap 7:30-6 Sat, 9-5 Sun. <http://franklinmineralshow.webs.com/>

Oct. 5, 2013: Autumn Mineralfest, by Penna. Earth Sciences Ass'n. Macungie Memorial Park, Poplar St., Macungie, PA. 8:30 a.m. - 3:00 p.m. <http://www.mineralfest.com/>

Oct. 26, 2013: South Penn Fall Rock Swap, by Central PA & Franklin County R&M Clubs; South Mountain Fairgrounds, 1.5 miles West of Arendtsville, PA on Rte. 234.

Oct. 26, 2013: Ultraviolation All-Fluorescent Mineral show, by Rocks and Mineral Club of Lower Bucks County. First United Methodist Church, 840 Trenton Rd, Fairless Hills PA.

Nov. 2-3, 2013: Friends of Mineralogy - PA Chapter Symposium (Nov. 2, Lancaster, PA) and Field Trip (Nov. 3).

Nov. 2-3, 2013: Gemarama, "Shades of Red," The School at Church Farm, Exton, PA. Sat 10-6, Sun. 10-5.

March 29-30, 2014: EFMLS Convention, Plymouth Meeting, PA

April 18-19, 2014: First Gem, Mineral & Fossil Show for the non-profit **North Museum of Natural History and Science**. At Farm & Home Center, 1383 Arcadia Rd (off Manheim Pike), Lancaster, PA. Friday 10-6, Saturday 10-5. **VENDORS WANTED:** \$50.00 per table. Contact Alison Mallin, 717-358-7188 <amallin@northmuseum.org> for more information and to reserve a space

Geo-Sudoku Solution

S	L	V	A	H	F	E	I	T
A	T	I	L	E	V	S	H	F
H	F	E	S	T	I	V	A	L
V	S	L	F	I	E	H	T	A
I	H	T	V	L	A	F	S	E
E	A	F	T	S	H	I	L	V
F	V	H	I	A	L	T	E	S
T	I	A	E	F	S	L	V	H
L	E	S	H	V	T	A	F	I

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), make checks payable to "Nittany Mineralogical Society, Inc." and send them to

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or bring your dues to the next meeting.

We want to welcome you!

SOCIETY OFFICERS

David Glick (President) 814-237-1094 (h)

e-mail: xidg@verizon.net

Dr. Bob Altamura (Vice-President) 814-234-5011 (h)

e-mail: raltamura@comcast.net

John Passaneau (Treasurer) 814-231-0969 (h),

e-mail: jxp16@psu.edu

Ellen Bingham (Secretary) e-mail: emb22@psu.edu

OTHER CONTACTS

Field Trips: Ed Echler 814-222-2642

e-mail preferred: eechler@comcast.net

Junior Rockhounds: Dr. Andrew Sicree

814-867-6263 (h) e-mail: sicree@verizon.net

Membership Chair: David Glick (see above)

Programs: Dr. Duff Gold 865-7261(o), 238-3377(h)

e-mail: gold@ems.psu.edu

Door Prizes: *volunteer needed!*

Refreshments: *volunteer needed!*

Facebook: Mike Zelazny e-mail: maz166@psu.edu

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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209 Spring Lea Dr. phone: (814) 237-1094 (h)
State College, PA 16801-7226

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