



The Treasure Chest

NEWSLETTER OF THE NORTH JERSEY MINERALOGICAL SOCIETY
Charter Member of the Eastern Federation of Mineralogical & Lapidary
Societies and affiliated with the American Federation of Mineralogical Societies



Volume 72, Issue 5

www.NoJMS.webs.com

Thursday, June 9, 2016

725th Meeting – Thursday, June 9, 2016

PRESIDENT'S MESSAGE

Social/Mineral Sales.....6:30 PM
Meeting.....7:30 PM
Program..... 8:00PM - 9:00PM

Happy Summer!

With the warm weather setting in, and graduations, picnics, and vacations on the calendar, I look back at what an amazing spring season our club had!

PROGRAM

“Amity, NY Minerals/Geology”

Speaker

Glenn Rhein

Mineral Madness

Carnelian Edition, Part 1

Our summer break is about to begin. Keep in mind that we do not meet in July and August, but that does not mean that we will not be active as a club! Dave has planned a couple club field trips over the summer, including a once-in-a-lifetime trip to the Calvert Cliffs area in Maryland for fossil collecting. The Trailside, Herkimer and Springfield shows are great summertime destinations as well.

PURPOSE

The North Jersey Mineralogical Society is a non-profit, educational organization founded in 1945 whose goal is to bring together people with an interest in Earth Sciences in general and mineral studies in particular. Guests and prospective members are always welcome. Young people under 17 years of age are welcome to attend if accompanied by a parent or adult friend.

Our speaker for the June meeting will be our friend Glenn Rhein, who will discuss the incredible mineral finds on his property in Amity, New York. As many of you know, we were lucky enough to host a field trip to the spot, a few years ago.

FOR INFORMATION

Jeff Wilson 973-293-7911 or buckwood4@yahoo.com
Steve Wien nojms.newsletter@gmail.com

If inclement weather might cause meeting cancellation, call the museum, one of the officers, or check the club website. If the meeting is not canceled, please use good judgment regarding the driving conditions in your area and if driving, be careful!

NoJMS had acquired a large collection as a donation to the club from the Franke Family of Boonton, NJ, from the estate of Gerhard Franke. Your club board held our board meeting at Sterling Hill a couple weekends ago, where we reviewed the specimens, sorted, identified and graded every piece. Look forward to seeing these specimens at Mineral Madness, Silent Auctions, and Voice Auctions throughout the upcoming months!

If you do go out and do some field collecting during the summer, bring your specimens to the September meeting for our annual show & tell and brag night!

Have a great summer and stay cool.

SEND DUES TO:

Arlene Castleman
126 St. Rte. 46 – 40A
Lodi, NJ 07664
973-591-1942

Individual members: \$15.00
Married couples: \$20.00
Family: \$30.00

OFFICERS FOR 2016

President Jeff Wilson
1st VP Ron Schulz
2nd VP Dave Shapiro
Secretary Laura Brecka
Treasurer Arlene Castleman
Assoc. Treas. Mike Machette
Newsletter Steve Wien
Trustees Bob Allen
Bryan Davis
Jess Jacobson

Jeff Wilson - President

HALITE AND GLAUBERITE CAVITIES AND INCLUDED MINERALS FROM CENTRAL NEW JERSEY

By A. C. Hawkins, *Rutgers University*

The mineral occurrences here noted are all in red shales of the Triassic series' which outcrop along the course of the Raritan River in Middlesex County and of the Millstone River in Somerset County, New Jersey.

Massive red shales, which are weathering along the roadside just at the west end of the Johnson estate along the river road on the north bank of the Raritan a mile above New Brunswick, have afforded to date two excellent casts of halite crystals. Both of these are hopper shaped, over 2 cm across the open end and 3 cm' deep, one showing a small cube face at the acute end. These cavities are entirely empty, the halite having long ago been removed by circulating water. They are interesting not only from the nature of their occurrence, but because there is no record of such halite crystal cavities having been found previously in this formation at any point south of Massachusetts.

Cavities similarly representing glauberite crystals have often been observed near New Brunswick and elsewhere, but the remarkable abundance of them in the red shales has apparently not been recognized. At a point a mile east of New Brunswick, these slot-shaped cavities (with diamond-shaped outline, the crystals showing base c and unit pyramid s), averaging 1X 1 cm in size, so completely fill certain layers of shale that these layers are quite porous. In the vicinity of the Johnson & Johnson works in New Brunswick, and again on the east side of the river in Highland Park, the cavities, which are abundantly bunched together in what were once groups of glauberite crystals in mud layers, are lined with small white calcite crystals whose form is a combination of the obtuse rhombohedron e with the unit prism m. Also many of the cavities contain, with the calcite, white tabular barite crystals showing numerous lines of "phantom" growth. The forms shown by these barite crystals are: base c, unit prism nr, unit brachydome o, obtuse macrodome d, and brachy-pinacoid b. The largest crystal recently found measured 1.5X2 cm. Some are arranged in rosettes. Their origin is thought to have been in hot solutions associated with those which produced the deposits of copper minerals that exist in the immediate vicinity. Similar deposits of barite on a larger scale exist at Glenmoore, N. J., and in Prospect Park, Paterson.

At the little quarry along the Delaware and Raritan Canal just east of the bridge at Blackwell's Mills, the filling of

calcite crystals (scalenohedral in habit) lining the glauberite cavities is so complete and firm that the shale on the outside breaks away from the cavity fillings, so that we obtain complete calcite pseudomorphs after the glauberite crystals. These pseudomorphs may be picked up out of the loose, weathered shale. They average 1 to 3 cm long by 1 to 2 cm wide, but some very large simple crystals occur, 10 cm X 5 cm and larger. As above stated, their forms are all very simple, showing base c and pyramid s. Numerous bunches of crystals also occur. These cavities may have been filled by the action of solutions from the dying activity of the diabase dike which is exposed in the canal bank about a quarter of a mile away to the north, which broke vertically across the shale beds, bringing in copper minerals, and soaking some of the shale layers with hot reducing solutions so that their color was changed to gray.

This Blackwell's Mills locality is six miles north of the famous Griggstown copper mine, whose minerals had a similar origin. Pseudomorphs of calcite after glauberite have also been found near New Brunswick, but rarely.

Changes Coming to the Edison Show

by Jeff Wilson

Those involved in the Edison Show have recently been notified that there will be changes made to the show for next year.

The 2016 Edison show was very successful, with the largest crowds I have seen so far. Our club table was extremely busy, and the main floor was mobbed for most of the weekend. This year, there was a great mix of Mineral and Fossil dealers, and much fewer bead dealers. That made a huge difference from shows past. However, show organizers have decided to make major changes to the show that will definitely put a new look and feel on things.

First, they plan on eliminating the display cases that so many have placed much pride in. They also plan on eliminating the dinosaur displays. They plan on adding other displays, from the Museum of Natural History. But the biggest change is coming to the main body of the show. They plan on adding vendors of various scientific fields, including chemistry, botany, biology, and others, to make the show a "Science Show". They will remain focused on Minerals and Fossils, but they feel the science aspects will bring in a wider crowd with varying interests.

How will this change affect the show? We don't know. People were upset when they brought in various vendors a couple years ago (Home improvements, ShopRite, Banks, etc.), but it ended up that the additions did not affect the show at all. So, who knows? Maybe it will be a good change, maybe not. Only time will tell.

KIDS CORNER!

by Jeff Wilson

I came across a wonderful website the other day that is geared for kids, just starting their own mineral collections. It gives great information about minerals, how to collect them, label them, clean them, and display them. It has helpful hints about our hobby and activities for kids.

The website even has a template for making your own mineral labels! (great for kids and adults!)

With your parents OK, visit this really cool website and learn all about mineral and rock collecting!

The website address is: <www.kidsloverocks.com> and is kid-friendly!

NOTE FROM OUR EDITOR

I hope you all enjoy this month's newsletter! I am still reaching out to everyone to request that you please send something in to me relating to rocks, fossils, minerals, gems and collecting in the field. If you see an article, stumble upon news somewhere (it doesn't have to be about New Jersey), or have photos of that "prize" possession, please send it in and I will be sure it gets in the newsletter. Thank you all for your time.

CK Williams Quarry Field Trip Report - PA

by Dave "Groundhog" Shapiro

CK Williams Quarry / Lafayette College collection tour/trip in Easton, PA. Attendees were: NOJMS regulars "Groundhog" Dave Shapiro, Mike "the Pie Man" Dunton, "Molerat" Tim Hollister with son Mark, Jim Currie with his wife, Linda Lovstad, and newbies Jessica Umstot and Jill Ambrosini; FM-NJ regulars Pete Melillo with son Austin and newbies Dave and Elizabeth Wilt. Numerous members of the invited Delaware Mineral Society, including pres. Teddi Silver, Jim DeBastiani, Vicki Pizzini w/daughter Tuilla, Carla Gauger, Dave Fordyce, Lloyd Shoemaker, Herbert Close, and others. Jim DeBastiani played the role of substitute Field trip

leader for the Delaware bunch in Tom Pankratz' absence; Tom is regular field trip coordinator.

Karenne Snow led an awesome tour of the Lafayette collection on display, focusing on Arthur Montgomery and Frank Scalici collections, as well as several donated specimen-filled cabinets from curator Bill Metropolis and various other families.

Collecting highlights were serpentine and tremolite/"verdolite" pieces, known to be great cabbings materials, from the rockslide area; Eastonite chunks and pieces from the exposure face, and pink feldspar pieces and massive milky quartz from the pegmatite boulder area. Also Karenne and other members ventured down by the riverbank, and found neat serpentine and phlogopite pieces. **** It was STEAMY OUT!!! *** almost 90 degrees in Easton.

September 10, 2016 Sterling Hill Mining Museum Ogdensburg, NJ

Annual Fall North Jersey Swap & Sale

**30 Plant St., Ogdensburg, NJ
Sat.: 9am-5pm (ONE DAY ONLY!)
See website for more details!**

FIELD TRIP SCHEDULE FOR 2016

June 25, 2016 - Big Brook, Boundary Rd., Marlboro, NJ
Ramenessen Creek, Holmdel-Middletown Rd., Holmdel, NJ

July 9, 2016 – Crystal Cave Tour, Kutztown, PA

July 23 & 24, 2016 - Herkimer, NY Ace of Diamonds, Screening West Canada Creek, Herkimer Gem & Mineral Show (Req. overnight stay)

Details will be available on our club website, at upcoming club meetings or you can contact Dave Shapiro at dshapiro33@gmail.com

Check our website often for trip updates!

MINUTES OF THE 724th NoJMS MEETING

The meeting was called to order by Jeff Wilson, the President, on Thursday, May 12, 2016.

Highlights of recent events were favorably reviewed. Jeff Reported that the 27th Annual North Jersey Gem, Mineral and Fossil Show, held at the Midland Park High School, on April 2-3, 2016, was a success. All the scrambling to relocate was worth the effort. This was followed by mentioning the Annual NY-NJ Metro Show in Edison, NJ, on April 8-10, 2016. The club had a spacious site that was well located. This afforded an ideal placement to capture the attention of attendees.

The evening entailed a Mineral Madness drawing, a silent auction and the opportunity for everyone to select two items: a piece of salt hopper, found only in Basking Ridge, NJ, and some amber pieces.

Howard Heitner gave a presentation on "The Tilly Foster Mine." The mine, located in Southeast Putnam County, New York, opened in 1810 It closed in 1895, after a collapse that unfortunately killed 13 miners.

For over one hundred years the Hudson Valley was the center of iron mining and smelting. Magnetite and chondrodite were the main minerals. If interested it is possible to visit the Southeast Museum in Brewster, NY. It houses artifacts and minerals from the mine.

With the advent of mild weather, it is fortunate that gem and mineral shows and collecting expeditions will be plentiful.

Respectfully submitted,
Laura Brecka, Secretary

UPCOMING EVENTS

July 7-10, 2016 - Cedarburg, Wisconsin - 1st Annual National AGATE Exposition & Symposium. 77+ Dealers. July 7 - Agate Symposium, July 8-10 - National Agate Exposition. Cedarburg High School, Evergreen Blvd. Cedarburg, Wis.

July 9 & 10, 2016 - Syracuse, NY - GemWorld 2016 - 50th Annual Gem, Mineral, Fossil & Jewelry Show

July 16 & 17, 2016 - Herkimer, NY - Herkimer Diamond Festival & Gem Show, Herkimer High School

July 30 & 31, 2016 - Cutchogue, Long Island, NY - 26th Annual Mineral, Gem, Fossil & Jewelry Show

August 27 & 28, 2016 – Freehold, NJ – "Fellowship of the Rock"; contact KC Dalby at fluoriteguy@gmail.com

September 10, 2016 – Ogdensburg, NJ – NoJMS Fall Swap & Sale at Sterling Hill Mining Museum (Note: one day only!)

September 11, 2016 - Ogdensburg, NJ – NoJMS Club Picnic, Tour & Collecting Trip at Sterling Hill Mining Museum; Starts at 10:00a.m. - Mine tour - 10:30am, Picnic - 12:00pm, Collecting all day.

September 17 & 18, 2016 - May's Landing, NJ - Cape Atlantic Rockhounds Annual Fall Show

October 1, 2016 – Fall Mineralfest - Macungie, Pennsylvania - 66th semi-annual Mineralfest

NOTE FROM OUR TREASURER

Please fill out the enclosed membership application from the back of the newsletter and mail it with a check or bring to the next club meeting. We need you to please pay your dues via check as we have a lot of fun activities planned for this year. Please note the change in dues. Thank you.

CLASSIFIEDS

Large Life-Long Mineral & Lapidary Collection FOR SALE

Includes Lapidary equipment of all kinds and Jewelry Making Supplies

Collector/Seller is a former member of the Bergen County Mineral Society, and Teacher of Lapidary Arts in Luther College in Teaneck, NJ

Interested Parties Contact: Larry Klein at 201-385-4755

Located in Bergenfield, NJ

Supplemental (E-Newsletter Only)

CK Williams Quarry Field Trip Photos – May 28, 2016
Photos by Dave “Groundhog” Shapiro







The North Jersey Mineralogical Society

MEMBERSHIP APPLICATION

Name of Applicant _____

Address _____

Telephone Contact _____

E-Mail _____

Additional Family Members _____

Today's Date ____/____/____

Renewal _____ New Membership_____

Individual Membership \$15_____ Couple \$20_____

Family Membership \$30 (2 Adults, up to 3 kids)_____

If you would like to join The North Jersey Mineralogical Society, Please fill out this form, enclose form and check for dues, and mail to:

Arlene Castleman, Treasurer 126 US Route 46 East - 40A Lodi, NJ 07644-3630

NoJMS is a 501(c)3 Non Profit Educational Organization. Your dues pay for membership in the Eastern Federation, and pays for your insurance which allows us to attend field trips, shows, and events. Membership entitles you to our club newsletter, club patch, membership card, and participation in club field trips, shows, events, and parties.