



Rhode Island Mineral Hunters
A 501 (c) (3) HP Organization

BOWEN-LITE

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CUMBERLANDITE –OFFICIAL STATE ROCK

BOWENITE – OFFICIAL STATE MINERAL

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RIMH 2017

RIMH

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Leo Doucet – Membership Person
Bill Neal - Librarian
Don Fail – Show Person
Tony Cesana - Parliamentarian
Bill Wilson - Historian

Webmaster - Bruce Hecker bbhecker@cox.net

Edited by Paul Koczwanski pakman844@aol.com

*If anyone would like to submit an article or anything for future publication let me know



Upcoming Meeting Details

Executive Meeting date in September is:
Tuesday September 5th. All meetings start at 7pm.

This year meetings will be held at Lou Fazzinas' rock shop (Apple Valley Minerals)
7 Homestead Avenue
Smith field, RI 02917

*Homestead is off Farnum Pike.

The general meeting for this month is Tuesday September 12th at 7pm. The speaker will be Ernie Zielinski. The topic will be coal mining in Rhode Island.

Fossil Butte N.P. Wyoming



From Tony and Rachel Cesana

Rachel and I run an open house on Friday evenings to talk all things club related. If members have specimens that they need ID help we have a good scope. We will do tumble polish classes and wire wrap learning also field trimming classes are available.

Please contact us by Thursday of that week. This is available every Friday.

phone number 401-766-9076

email a_cesana@verizon.net

PROPOSED FIELD TRIPS

FIELD TRIP SEPT 16TH, 2017

FIELD TRIP TO GILLMAN'S BEAUREGARD MINE, GILSUM,NH

DATE: SEPT 16TH MEET AT GILSUM POST OFFICE AT 9 AM

**TRIP LEADER: RACHEL CESANA 401-766-9076 TO SIGN UP
401-787-3129 DAY OF TRIP ONLY**

TYPE OF LOCATION: PEGMATITE TAILINGS AND SOME NEW DIGGINGS

WHAT CAN BE FOUND: beryl, rose quartz, mica, triphylite and other pegmatite minerals

FOR FULL LIST GO TO mindat.org enter beauregard mine

SPECIAL INSTRUCTIONS: CALL TO SIGN UP BY SEPT 10TH, COST IS \$25.00 PER PERSON **CASH ONLY IF WE GET TO 15 MEMBERS OR WILL COST A LITTLE**

MORE. NO ONE UNDER 16 FOR THIS TRIP. 16 YEAR OLDS TO 21 YEARS OLD WILL NEED PARENTAL SIGNATURE AND EVERYONE WILL NEED TO SIGN RELEASE FORM. CLUB MEMBERS ONLY ALLOWED. CLUB MIGHT BE ABLE TO SUBSIDIZE IF WE GET ENOUGH MEMBERS TO SIGN UP. WE NEED TO GIVE MINE OWNER AT LEAST \$365.00 TO GO IN

QUARRY RULES APPLY HERE: NEED HARD TOE BOOTS, HARDHAT, SAFETY GLASSES, FLUORESCENT VEST.

SUGGESTED: LONG PANTS, GLOVES, BUG SPRAY, SUN BLOCK, WATER

WAYNE CORWIN HAS EMAILED TO LET ME KNOW THAT NEW AREAS HAVE BEEN OPENED UP RECENTLY AND THE LAST 2 TRIPS HAVE FOUND MANY GOOD MINERAL SPECIMENS.

THERE IS PLENTY OF PARKING AND MOST HIGH CLEARANCE VEHICLES WILL BE ABLE TO DRIVE RIGHT THROUGH TO THE DIGGINGS AS ROADS HAVE BEEN IMPROVED.

DIRECTIONS:FROM Providence

Rhode Island

Get on I-95 N from Union St

5 min (0.7 mi)

Follow RI-146 N to MA-146 N in Sutton

29 min (29.5 mi)

Continue to Worcester. Take the I-290 E exit from MA-146 N

9 min (7.7 mi)

Take I-190 N and MA-2 W to MA-140 N in Westminster. Take exit 24B from MA-2 W

32 min (33.9 mi)

Follow MA-140 N, Hwy 12 N and NH-10 N to Main St in Gilsum

RIMH FIELD TRIP SEPT 30, 2017**Destination: Corys Lane – Portsmouth, RI**

Famous fossil location. The rock is sedimentary shale. There are quartz veins that have yielded some small but nice crystals.

Depending on the tide, we will caravan down to a pyrite location a couple miles south of Cory's Lane

Date(s)/time of trip: Sat. 9 AM (*low tide is approx 9:30 AM*)

Trip leader: RACHEL CESANA 401-766-9076 TO SIGN UP
401-787-3129 DAY OF TRIP

Alternate leader: none

Carpool/caravan location: None, Make own arrangements

Type of collecting: Sedimentary shale, quartz veins

What can be found? Fern and other vegetation fossils, branch fossils, quartz crystals

Tools/equipment: : rock hammer, wedges, small sledge, digging tools, safety glasses, old butter knife or putty knife.
Bug repellent is a must at this location!!!!

Clothing: regular rockhounding clothing (*shorts, old sneakers acceptable*). Also the shale here is dirty and slightly oily, so make sure you wear old clothing that you don't care about.

The footing here can be very slippery. Please tell your children that running around will not be permitted.

Special information: Please call at least 3 DAYS in advance. Make sure you bring bug spray!!!

Driving directions:

GPS coords: 41.601093 N -71.276534 W

From MA-24:

Take I-195 E

Take exit 8A to merge onto MA-24 S toward Tiverton RI/Newport RI 9.5 mi

Exit onto RI-114 S/ Main Rd 0.7 mi

Turn right at the light onto Corys Lane

Drive all the way to the end and park next to, but not on the railroad tracks. Facing the bay, shale outcrops will be to the right, quartz veins to the left

From RI-136:

Take I-195 E

Take exit 2 onto MA-136 S into R.I where it merges onto RI-114 at the Mt Hope Bridge 9.3 mi

Follow RI 114 for 2.4 mi, then turn right and continue on RI-114 S for 1.5 mi

Turn right at the light onto Corys Lane

Drive all the way to the end and park next to, but not on the railroad tracks. Facing the bay, shale outcrops will be to the right, quartz veins to the left

A note from the field trip coordinator Rachel Cesana

If anyone knows of any places we can go for a field trip please let her know. She wants to line up some places for the upcoming year. Please relay all pertinent information to her such as place names, contacts(property owners and/ or persons in charge), phone numbers or other

means of contact. Rachel's phone number is (401) 766-9076. Email a_cesana@verizon.net

Member Submissions and News

* A note from past RIMH president Bill Lema

Hello, my name is Bill Lema, a past president of the Rhode Island Mineral Hunters. I have stage 4 head/neck cancer that has now spread to my spine. It is generally thought that this type of cancer occurs because the person was a smoker, so that is the first thing I'm always asked. "Have you ever smoked?" "No, I've never smoked." On the other hand, my father smoked his whole life, inside the house, the car, everywhere.

I am asking for your help in order to get treatment at the H. Lee Moffitt Cancer Center in Florida. I'm not ready to give up and let this disease take me. My doctors have all praised the Moffitt Cancer Center as a great research facility that would have the ability to help me beat this disease.

But there are lots of medical bills and my limited medical insurance doesn't cover a lot. I've since had to go on disability because of the toll my cancer treatment has taken on me; and that really limits how much is available.

Please help me get the chance to become one of those who survive and beat this disease. Thank you for your help.
GoFundMe.com/p/f8yn9

I just want to get out there and dig again.

William Lema

**** This year's RIMH Rock, Mineral and Fossil show will be October 28th and 29th. Set up will be on the 27th. The show will be at CCRI Warwick as it has been in the past. Help is needed Friday, Saturday and Sunday for various jobs such as set up, clean up, tickets. See Tony Cesana for more information. His information, phone number/email posted elsewhere on this newsletter. You can also sign up at a RIMH general meeting .**

The 2017 Yale Mineral and Gem Symposium on October 20-21 hosted by the Yale Peabody Museum. David Friend Hall 8:15 am to 4PM . registration and fee required More Information on The Yale Peabody Museum website

General Event/Program information:

Andrea Motto

203-432-6577

peabody.events@yale.edu.

Mineral of the Month

In this continuing series, I am providing information for those members who are new to the field of mineral collecting and need to know what you are looking for when you go out on field trips or just on your own. Some common minerals you may see but, might not know what they are. This month, I will be looking into the mineral ; Triphylite, as mentioned in the above field trip list of minerals.

General Triphylite Information

Chemical Formula: $\text{LiFe}^{++}\text{PO}_4$

Composition: **Molecular Weight = 157.76 gm**

 Lithium 4.40 % Li 9.47 % Li_2O

 Iron 35.40 % Fe 45.54 % FeO

 Phosphorus 19.63 % P 44.99 % P_2O_5

 Oxygen 40.57 % O

Comments: Dark gray-blue prismatic triphylite crystals in pegmatite rock.



Location: Newry, Oxford County, Maine, USA.

Crystal System: Orthorhombic - DipyramidalH-M Symbol (2/m 2/m 2/m) Space Group: Pbnm

X Ray Diffraction: By Intensity(I/I₀): 2.54(1), 3.51(0.9), 4.29(0.9),

Physical Properties of Triphylite

Cleavage: {001} Perfect, {110} Good

Color: Gray, Bluish gray, Brownish, Blackish.

Density: 3.4 - 3.6, Average = 3.5

Diaphaneity: Transparent to translucent

Fracture: Uneven - Flat surfaces (not cleavage) fractured in an uneven pattern.

Habit: Massive - Granular - Common texture observed in granite and other igneous rock.

Habit: Prismatic - Crystals Shaped like Slender Prisms (e.g. tourmaline).

Hardness: 4-5 - Fluorite-Apatite

Luminescence: Non-fluorescent.

Luster: Greasy (Oily)

Streak: grayish white

For more info see Minedat.com and Webmineral.com

