

ROCK TRAILS



Newsletter of the StateLine Gem and Mineral Society

**VOLUME 58
ISSUE VIII
AUGUST 2018**

2018 Officers and Directors

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Treasurer: Doris Brzezicki, 269 267-1123
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First Year Director: Kurt Miller, (419) 923-2090
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Third Year Director: Carl Mulholland, 517 539-2037
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Co-Show Chair: Glenda Gafner, (517) 451-2079
Publicity: Edmund Jarzembki, 419 237-2000
Sunshine & Membership: Jan Hauter, Judy Snyder, Shirley
Mcgovern, and Nance Clarke
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Meetings are held the first Sunday of each month
at 2:00 PM
at 201 W. Main St., Morenci, MI 49256

Secretary's Scoop



The July 1, 2018 meeting of the State Line Gem and Mineral Society was called to order by president Sherm Kardatzke at 2:16 PM. Ed Jarzembki gave the invocation followed by the pledge of allegiance. Doris made a motion to accept the secretary's report as printed in the newsletter, seconded by Henry and the motion passed with all in favor.

Treasurer's report: Doris deposited the earnings from our show and paid the rent, Consumers Power, the Crescent News, and State Line Observer newspapers, and other show related expenses. She reported that she received a check for \$250.00 (security deposit) from the Fulton County Fair Board along with the contract for next year's show. However, she also received a letter a short while later explaining that since the we had already been issued the \$250.00 check this year, we will not be eligible to receive the security deposit for next year because on closer inspection, it was found that we again had attached tape to and/or damaged the paint on four different walls. Those walls had to be repainted and therefore we would have to forfeit our security deposit. There was discussion about the same problem occurring last year, and no one noticed any damaged spots but no one really ever looked for such damage either. Glenda thought we should have someone from the club go with the Fair officials during their inspection and many members agreed that would be a good idea. Sherm will call to discuss the damage with Sue at the Fairboard. Linda Miller made a motion to accept the treasurer's report, seconded by Phyllis Sypes, and approved by all with an aye vote.

Old Business: Linda Miller handed in receipts for the kitchen expenses to treasurer, Doris. There was discussion about this year's show attendance being slightly lower than last year. However, most of the dealers seemed to do well and want to return next year. Most of your committee funds also did well and our silent auction did much better this year than last. Thank you, Ed and Henry, for all of your hard work and time spent preparing for and promoting our silent auction. Glenda reported that she was a bit late in getting the posters ordered but she noted that she spent over one thousand hours promoting ads for the show to clubs, radio/tv stations, the Fulton County Fair Facebook page, advertising in the Pure Michigan Fun Events internet site, rock and mineral shows, what to do in Toledo and many other internet sites. Ed asked if there were many customers who had the dollar off coupons, and Phyllis said that many folks either had the flyer or a copy of it on their phone so that part of our efforts seems to be very effective. Doris noted that there are always things that happen beyond our control, but we did the best we could and she thanked all the members who helped make this year's show as good as it was.

One of our dealers complained to Doris about our cloth table covers getting especially soiled with food this year. He suggested that we get plastic table covers that can be wiped clean easily and just thrown away after the show. Richard Brzezicki stated that he thought the round tables we use for our eating area take up more room than rectangular tables and it would be easier and cheaper to get plastic covers for rectangular tables. He made a motion to rent additional rectangular tables for the eating area and procure plastic covers. The motion was seconded by Henry. After discussion, this motion was tabled since members wanted someone to research the cost of getting covers for the round tables already provided by the fairgrounds. Doris volunteered to do some research on the cost of getting round and rectangular plastic table covers and will report her findings at the next meeting.

Secretary's Scoop

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Linda Miller reported that she was hosting a graduation party for our members with daughters/granddaughters graduating this year at her house on July 21, 2018. She and Curt will provide hot dogs and a few picnic foods but it is suggested that you bring a dish to pass when attending the party. It would be a good idea to call her to see if you could bring hot dog buns, chips, salads, hamburger, pop, etc. and it would be a good idea to bring a lawn chair and even a bathing suit if you would like to go swimming to cool off.

Glenda noted that she has had requests to have a field trip to Flint Ridge, Ohio. The date agreed upon was August 25, 2018 which is a Saturday. She would like to visit Mrs. Nethers and Mr. Wyrick. Contact Glenda for more details. A question arose about a possible trip to the U. P. and several members thought it might be better to postpone that trip to next year.

Glenda is planning a field trip to Quartzite, AZ and Tucson, AZ in January 2019. She wants to spend ten days to two weeks (this includes driving time) for this trip, hoping to catch the end of the show in Quartzite and the beginning of the Tucson show. She will be leaving on January 18, 2019. Glenda did some research on prices. There are motels/hotels from \$70.00 to \$200.00 per night. Since both shows include a lot of area to cover, Glenda thought there would be electric scooters available to rent for around \$100.00 a day. Check with Glenda for specifics.

After crops are harvested, Glenda thought we might be able to go to some of Cletus Brooks' farm areas to look for pudding stones in the Fall.

Name Badges: Glenda checked on ordering name tags for members who do not have one. Her source can do the badges for \$11.25 each. Please let her know if you are interested in purchasing a name badge.

Fulton County Fair set up will be August 30, 2018 and tear down will be September 6, 2018. More details to come at the August 5, 2018 meeting.

Art-a-licious will be September 21 and 22, 2018

Clinton Fall Festival set up will be September 27 and the festival will be September 28, 29 and 30, 2018.

Apple-umpkin set up October 12 and the festival will be October 13, and 14, 2018.

Sherm asked if anyone was interested in being a delegate to the Federation to represent our club in Springfield IL. The deadline to apply is September 1, 2018. Since there is still time to apply after our August meeting, Sherm tabled the matter until August.

Linda Miller motioned to adjourn; seconded by Sherm and the meeting was adjourned.

Please note Sherman Kardatzke has a new mailing address. 1355 West Maumee, Adrian, MI. 49221

Respectfully submitted by Richard Brzezicki



Is Water a Mineral? – Is Ice a Mineral?

The best way to find out is to compare their properties to the definition of the word “mineral.”

Article by: Hobart M. King, Ph.D., RPG

<https://geology.com/articles/water-mineral/>

What is a Mineral?

The word “mineral” is used by geologists for a group of naturally occurring crystalline substances. Gold, pyrite, quartz, calcite, and fluorite are all examples of “minerals.”

To be a mineral a substance must meet five requirements:



- naturally occurring (not made by humans)
- inorganic (not produced by an organism)
- solid
- a limited range of chemical compositions
- ordered atomic structure

Is Water a Mineral?

If we compare the properties of water to the five requirements of the mineral definition, we find that it fails to qualify as a mineral. Water is a liquid, so it does not meet requirement #3 - being a solid. However, at temperatures below 32 degrees Fahrenheit or 0 degrees Celsius, water becomes the solid material that we call “ice.”

Is Ice a Mineral?

If we compare the properties of ice to the five requirements of the mineral definition, we find that it clearly meets the last four. However, requirement #1 presents a problem.

A natural snowflake would be considered to be a mineral because it forms naturally in Earth’s atmosphere. However, an ice cube made in a refrigerator would not be considered a mineral because it was produced by the actions of people.

So, ice is a mineral when it forms naturally, but it is not a mineral when people play a role in producing it.



Some Consider Water to be a Mineraloid

Water is not a mineral; however, it freezes into ice, which is a mineral. Some authors believe that water should be considered to be a “mineraloid,” a material that meets some of the requirements of

Is Water a Mineral?

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being a mineral but falls short. Others disagree because they believe that a mineraloid only fails to meet the requirements of being a mineral because it is amorphous, and water is not amorphous.

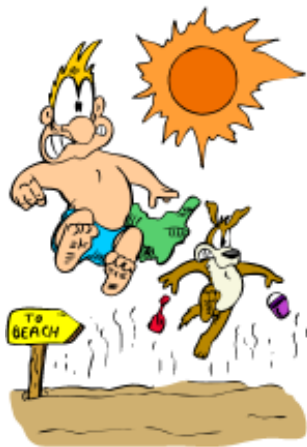
What is Mineral Water?

Mineral water is something entirely different. Here the word “mineral” is used in reference to dissolved solids that occur in the water as it is taken from a natural source such as a spring. These dissolved substances occur in the water because while the water was in the ground it came into contact with mineral and non-mineral materials. Some of those materials were soluble and were dissolved by the water.

To be sold as a “mineral water” a liquid must be water, taken from a natural source, and contain at least 250 parts per million total dissolved solids - that occur naturally in the water.

Natural mineral waters are found at many locations worldwide and vary widely in composition. Under some circumstances the dissolved materials in the water would be considered to be “impurities.” Under other circumstances these waters are bottled and sold to people who believe that the dissolved “minerals” might provide a health benefit.

These health benefits are often unproven, and many natural waters contain dissolved materials that produce undesirable or even poisonous effects if consumed by people or animals.



Pot Luck

On Saturday, July 21st, Kurt and Linda Miller opened their home to all members to honor our three scholarship recipients of 2018. Lots of tasty food was brought by participating members. During our potluck Glenda Gafner and Judy Snyder handed out certificates and checks to: Amanda Clark who will be attending Saginaw Valley University and taking up writing, Emma Gafner will be attending Eastern Michigan University to be a agriculture biologist, and Stephanie Shaft will be attending Jackson College to be a Veterinarian.



Bench Tips

by Brad Smith

SAWING SMALL TUBING

When making a hinged bracelet, I needed to cut 16 pieces of small diameter silver tubing. These were to be just approximate lengths and trimmed to final size after soldering. Not having a tube cutter, I had trouble holding the tubing on the bench pin while trying to saw through it.



So here's what I did. I drilled a hole in the side of the bench pin just large enough for the tubing to slide into and almost as deep as the length of cut tubing I wanted. Sawing became quick and easy. With my free hand, I inserted the tubing and held it from rotating while sawing off each length.

SECRET INGREDIENT



Those of us who use paste solders sometimes find an old tube has dried out. There should be some way to recondition it, but what to use? Calling tech support at the suppliers didn't work for me. Either they don't know what the ingredient is or won't tell you the secret.

None of us likes to waste an expensive material, especially at \$16 - 20 a tube, so I've often experimented with ways to rejuvenate it. Mixing in a liquid flux doesn't work. When the liquid starts to boil off, it spatters the solder in all directions.

But after several failed experiments I finally found a way that does work. My secret ingredient is vaseline petroleum jelly. Mix in just enough to restore the consistency to something that's usable. If you use too much, the lump of solder will flow over a wide area as soon as the torch starts heating it.

If your solder is in a syringe, it can be a little difficult to get the plunger out. I find the easiest way is to poke a hole through the solder from the tip to the rubber plunger (a bur shaft was the right size for my tube). The hole allows air to enter between the solder and the plunger, allowing the plunger to be slowly withdrawn. Once the solder is out of tube, you can easily add the Vaseline, mix it up, and spoon it back into the syringe.



For more tips or to learn new jewelry skills see [Amazon.com/author/bradfordsmith](https://www.amazon.com/author/bradfordsmith)

The Rockhound's Dream Show

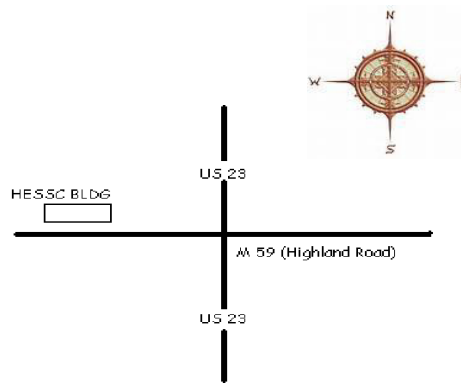
45th Annual

CRYSTALS – ROCKS – FOSSILS – UNIQUE JEWELRY

Presented by the Livingston Gem and Mineral Society

September 15 and 16, 2018

Saturday 10 am – 6 pm ~ Sunday 10 am – 4 pm



GEM AND MINERAL DEALERS
LAPIDARY EXHIBITS
FOSSILS

DEMONSTRATIONS:
SILVER SMITHING
BEAD MAKING
WIRE WRAPPING
FREE FLINT KNAPPING LESSONS

CLUB TABLE
CHILDREN'S TABLE
SILENT AUCTION

*Hosting the 2020
MWF Convention!*



Hartland Education Support Service Center (Old Hartland High School)
9525 Highland Road, Howell, Michigan 48843

Admission: adults \$3.00, 12-18 years \$1.00, under 12 years free

Food concession by Hartland 4-H

Information: Ed Oller: 810-241-8801

or Sherlynn Everly, President: Everly55@gmail.com



Upcoming Events

Sunday, August 5, 2018

State Line Gem & Mineral Society

monthly meeting

2:00 p.m.

201 W. Main St.
Morenci, MI 49256

Aug. 10-12, 2018

Houghton, MI

Fri 1-8, Sat 10-6, Sun 11-3
Copper Country Rock & Mineral Club
Houghton Elementary School,
302 W. Jacker Ave.
Houghton, MI

Sept. 14-16, 2018

Holland, MI

Tulip City Gem & Mineral Club
Fri 10-8, Sat 10-7, Sun 11-5
Soccer Stop Sportsplex
5 River Hills Drive
Holland, MI

Aug. 17-19, 2018

South Bend, IN

Fri 12-7, Sat 10-6, Sun 11-5
Michiana Gem & Mineral Society
Esther Singer Bldg.
4-H Fairgrounds
5117 S. Ironwood Road
South Bend, IN

Sept. 15-16, 2018

Howell, MI

Sat 10-5, Sun 10-4
Livingston Gem & Mineral Society
Hartland Educational Support Center
9525 E. Highland Road
Howell, MI

Sept. 7-9, 2018

Toledo, OH

Fri 2-8, Sat 10-6, Sun 11-5
Toledo Gem & Rockhound Club
Stranahan Exhibit Hall
4645 Heatherdowns
Toledo, OH

Sept 29-30, 2018

Traverse City, MI

Grand Traverse Area
Rock & Mineral Club
Cherryland VFW Hall
3400 Veterans Drive
Traverse City, MI





Rock Trails

Sandy Gerhart, Editor
704 W. US Hwy 223, #205
Adrian, MI 49221

Meetings are held the
first Sunday of each month
at 2:00 PM
at 201 W. Main St.,
Morenci, MI 49256

