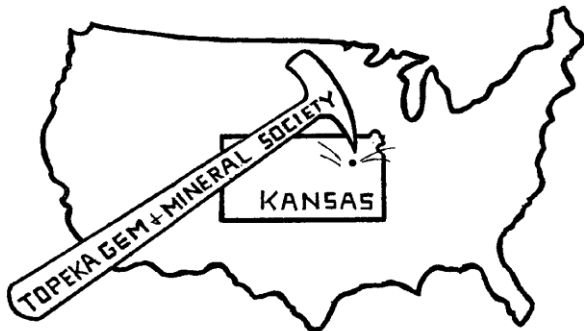


The Topeka Gem and Mineral Society, Inc.  
 1934 SW 30<sup>th</sup> St. Topeka, KS 66611  
 Rock2Plate@aol.com

# THE GLACIAL DRIFTER



www.TopekaGMS or  
 Facebook: Topeka Gem and Mineral Society Field Trips

The Topeka Gem & Mineral Society, Inc.  
 Organized December 3, 1948

Member of Rocky Mountain Federation of  
 Mineralogical Societies American Federation of  
 Mineralogical Societies



The Glacial Drifter, Vol. 61, No. 12,  
 December, 2018



The Purpose of the Topeka Gem & Mineral Society shall be exclusively educational and scientific: (1) to promote interest in geology and the lapidary arts; (2) to encourage the collection and display of rocks, gems, and minerals; (3) to encourage field trips and excursions of a geological, or lapidary nature; and (4) to encourage greater public interest and education in gems and minerals, cooperating with the established institutions in such matters.

Meetings: 4<sup>th</sup> Friday of each month, September to May, 7:30 pm, Stoffer Science Hall, Room 138, Washburn University.  
 No meeting in December unless notified of a change. Picnic meetings are held June, July and August.

Dues: Individual, \$15.00; Couple, \$20.00; Junior (under 18 years of age), \$5.00. Dues are collected in December for the following year. Send dues to: **Millie Mowry, Treasurer, 1934 SW 30<sup>th</sup> St, Topeka, KS 66611.**

**www.TopekaGMS.org**

## 2018 OFFICERS AND CHAIRS

|                            |                   |          |                        |                             |          |
|----------------------------|-------------------|----------|------------------------|-----------------------------|----------|
| President                  | Mike Cote         | 220-3272 | Cab of the Month       | Debra Frantz/Fred Zeferjohn | 862-8876 |
| 1 <sup>st</sup> Vice Pres. | Dave Dillon       | 272-7804 | Field Trip Coord.      | Will Gilliland              | 286-0905 |
| 2 <sup>nd</sup> Vice Pres. | Cinda Kunkler     | 286-1790 | Publicity              | TGMS Board                  |          |
| Secretary                  | Open              |          | Welcome/Registration   | Open                        |          |
| Treasurer                  | Millie Mowry      | 267-2849 | Property               | M. Cote/D. Dillon           | 220-3272 |
| Directors                  | Brad Davenport    | 379-8700 | AFMS Scholarship       | Cinda Kunkler               | 286-1790 |
|                            | Will Gilliland    | 286-0905 | Editor/Exchange Editor | Millie Mowry                | 267-2849 |
|                            | Chuck Curtis      | 286-1790 | Show Chairman          | Dave Dillon                 | 272-7804 |
| Historian                  | Jessica Reedy     | 230-3445 | Show Dealer Chairman   | Dave Dillon                 | 272-7804 |
| Federation Rep             | Harold Merrifield | 633-9745 | Show Secretary         | Cinda Kunkler               | 286-1790 |
| Corporation Agent          | Millie Mowry      | 267-2849 | Jr. Rockhound Leader   | Jason Schulz                | 640-6617 |
| Librarian                  | Millie Mowry      | 267-2849 | Show Case Coordinator  | Cinda Kunkler               | 286-1790 |
| Web Master                 | Jason Schulz      | 640-6617 |                        |                             |          |

Area Code for all numbers is (785).

## EXCHANGE BULLETINS WELCOME

For exchange newsletters contact the club via mailing address listed above or email at [rock2plate@aol.com](mailto:rock2plate@aol.com) .  
Permission is granted to reprint articles only if proper credit is given to the author, Glacial Drifter and the date.



## Words from Our Top Rocks!

The Christmas party at Paisano's went well with good food and fellowship. For those who could not make It you missed out on a good time.

Your Club dues are due at this time, so let all get out the ol' check book and pay your dues for the 2019 year. If you have any question about it, see Millie.

We are looking for a Secretary for this next year. If you know of anyone that is willing to take that position please get with me to see what all it involves.

The January program will be a Silent Auction. If you have any rocks or jewelry etc., you want to donate to the club, bring them to the meeting on January 25<sup>th</sup>.

*We wish everyone a very Merry Christmas and a Happy New Year!*

Mike Cote` & Dave Dillon

### Topeka Gem and Mineral Society General Meeting – November 16, 2018 Minutes

**Attendance:** 16 members and 0 guests attended.

**Call to Order:** President Mike Cote` called the meeting to order.

**Approval of Minutes:** Lettie Thomas reported that the October minutes were published in *The Drifter*. Dave Dillon moved to approved and Chuck Curtis seconded. The minutes were unanimously approved.

**Treasury:** Millie Mowry reported the balance in checking. She reminded that she still had books and calendars for sale. And she is already taking dues for 2019. Jason Schulz moved to approve the report. Chuck Curtis seconded. The Treasury Report was unanimously approved.

**New Business:** Mike Cote` called for nominations for 2019 officers and chairs. No nominations were made, but all existing board members except the secretary committed to serving for another year. Lettie Thomas said she would not be continuing her membership, so TGMS will need a new secretary. Anyone interested in serving as secretary should contact a board member.

**Old Business:** Millie Mowry reminded that the Christmas Party would be at Paisano's on December 7th at 6:30 pm.

**Adjournment:** Chuck Curtis moved to adjourn the meeting. Harold Merrifield seconded. The meeting was adjourned to convene the program, Nova: The Last Extinction.

#### **Cab, Jewelry & Wire Sculpture of the Month:**

Member Jewelry: Millie Mowry's Variegated Tiger Eye Pendant

Member Cab: Brad Davenport's Lucin Variscite

Respectfully submitted by Lettie Thomas, TGMS Secretary.

We need your **BEST CHOICE UPC Labels** --- Bring them to the monthly meeting,  
and give them to Cinda Kunkler



*TGMS Event Calendar*

# Dec 2018

|     |   |
|-----|---|
| 1S  |   |
| 2S  | Lessons at the Barn are canceled due to the cold weather. |
| 3M  |   |
| 4T  |   |
| 5W  |   |
| 6T  |   |
| 7F  |   |
| 8S  |   |
| 9S  |   |
| 10M |   |
| 11T |   |
| 12W |   |
| 13T |   |
| 14F |   |
| 15S |   |
| 16S |   |
| 17M |   |
| 18T | No wire wrap class @ Millie's                             |
| 19W |   |
| 20T | No wire wrap class @ Millie's                             |
| 21F |   |
| 22S |   |
| 23S |   |
| 24M |   |
| 25T | <b>Christmas day</b>                                      |
| 26W |   |
| 27T | No wire wrap Class @ Millie's                             |
| 28F | No General Meeting @ Washburn                             |
| 29S |   |
| 30S |   |
| 31M | <b>NEW YEARS EVE</b>                                      |

If you are interested in Wire Wrap Classes, contact Millie, 267-2849 or [rock2plate@aol.com](mailto:rock2plate@aol.com)

# Jan 2019

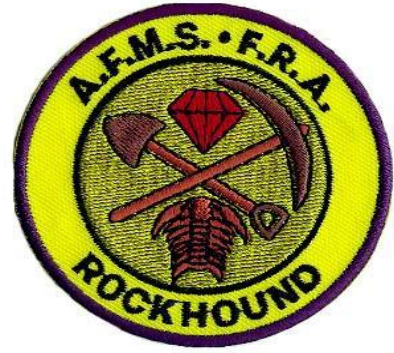
|     |  |
|-----|--|
| 1T  | NO Wire Wrap Class @ Millie's  |
| 2W  |  |
| 3T  | TGMS Jr RHD's, Marvin Auditorium 101A<br>Wire Wrap Class @ Millie's 1-3 p.m.           |
| 4F  |  |
| 5S  |  |
| 6S  |  |
| 7M  |  |
| 8T  | Wire Wrap Class @ Millie's 6-9p.m.   |
| 9W  |  |
| 10T | Wire Wrap Class @ Millie's 1-3 p.m.  |
| 11F | TGMS Board Meeting 7 pm @ Millie's   |
| 12S |  |
| 13S |  |
| 14M |  |
| 15T | Wire Wrap Class @ Millie's 6-9p.m.   |
| 16W |  |
| 17T | Wire Wrap Class @ Millie's 1-3 p.m.  |
| 18F |  |
| 19S |  |
| 20S |  |
| 21M |  |
| 22T | NO Wire Wrap Class @ Millie's 6-9p.m.  |
| 23W |  |
| 24T | Wire Wrap Class @ Millie's 1-3 p.m.  |
| 25F | General Meeting @ Washburn TGMS 7:30 pm rm<br>138 Stauffer Science Hall Silent Auction |
| 26S |  |
| 27S |  |
| 28M |  |
| 29T | Wire Wrap Class @ Millie's 6-9 p.m.  |
| 30W |  |
| 31T | Wire Wrap Class @ Millie's 1-3 p.m.  |

Check out the calendar on our web site

[www.TopekaGMS.org](http://www.TopekaGMS.org)

If you are interested in Wire Wrap Classes, contact Millie, 267-2849 or [rock2plate@aol.com](mailto:rock2plate@aol.com)

<https://www.facebook.com/TopekaGMSJuniorRockhounds>  
To register for the Junior Rockhounds or any of the classes, email:  
Jason Schulz at: [Fleetcommander@att.net](mailto:Fleetcommander@att.net)



## JR ROCKHOUND Classes & Reminders

Here are reminders of the next few months of classes: Topeka Shawnee CO Public Library sign in starting at 6:00pm and classes starting at 6:30pm. 1st Thursday of each month...

- January 3, 2019, MAPS, 101A, Marvin Auditorium with Jason Schulz
- February 7, 2019. Earth Processes, 101C, Marvin Auditorium, with Barbara Smith/ Brad Davenport
- March 7, 2019, Fossils, 101C, Marvin Auditorium, with Pat Gilliland



- ✓ Junior Rockhound's and Parents, please watch for monthly emails from Brad Davenport as he will be sending out reminders of the up-coming class and any other important information you may need. His email is [Brad7254@gmail.com](mailto:Brad7254@gmail.com).



Welcome our New Members

Brad & Candace LeDuc  
Shaw LeDuc (Junior Rockhound)



### Membership Dues Are Due!

This is for members that joined before September 2018. If in question---check your membership card for the date due. For those who joined after September 2018 your dues are not due. The new directory will be published March 1<sup>st</sup>, 2019.

If you have a question about it, see Millie.

Junior Rockhound Article  
By Lakyn Jo Stoneking

My name is Lakyn Jo Stoneking. I am 7 years old. I went to Colorado for a family trip and we went to my mom's cousin's in Denver to celebrate my birthday and at spring break she gave me a purple cat robot and she had a dog named Niko. She took us on several adventures with Niko in the snowy mountains. Colorado is so beautiful because there are a lot of rocks, gems and minerals everywhere you go walking. One day we went on a picnic right by the mountains and the rocks by the mountains were minerals. I found a rock that has pyrite in it. Pyrite is sparkly like gold but they call it fool's gold. It is much more common than real gold. It is a lot easier to spot pyrite when you go walking and it's sunny because the sun light makes the pyrite sparkle so you are easily able to spot it while walking. My rock has crystals on the side and the color is grey, pink and the pink kind of orange and the grey is like normal rock. When I was at Colorado I thought pyrite was gold then I learned gold is more shinier than pyrite. Real gold is also more rare and you are less likely to find big pieces. When I went to Colorado it was fun and I want to go back to find some more rocks and add to my rock collection and I want to go to the sea to find more rocks for my rock collection.

*Merry Christmas*



Do you have a change of address or  
Email address, or phone, please let us know  
So you do not miss out on any notices.  
[Rock2plate@aol.com](mailto:Rock2plate@aol.com)

**FOR SALE!**

We still have: 8 - Fine Agates & Jaspers Calendars for the year 2019 \$11 each  
1 - book- The World of Minerals & Crystals \$2.50  
5 - books- Fluorite the Rainbow Mineral \$2.50 each

If you are interested in any of these items let Millie know. [Rock2plate@aol.com](mailto:Rock2plate@aol.com)  
or 267-2849

# LINCOLN GEM & MINERAL CLUB'S 40th Annual Rock Swap



**Saturday, January 26, 2019**

**1:00 p.m. to 5:00 p.m.**



**!Free Admission!**

**Help the Lincoln Food Bank replenish its shelves after the holidays.  
Bring a canned item for the Food Bank.**

## **Bethany Park Enclosed Shelter**

**64th and Vine Streets**

**Family  
Friendly**

**Jewelry**

**Fossils**

**Silent  
Auction**

**Buy  
Sell  
Trade**

**Lapidary  
Supplies  
&  
Equipment**

**Rocks  
&  
Minerals**

**Swapper Tables: ½ Table - \$10; Full Table - \$20 - Set up at 12:00 Noon.**  
Swappers are responsible for collecting Nebraska State Sales Tax and remitting it to the State.

**Cash Sales Only!**

**All sales must be completed using  
SWAPPER DOLLARS which are available from the  
Club Treasurer at a 10% surcharge, payable by the buyer.**



**LINCOLN GEM & MINERAL CLUB  
Box 5342**

**Lincoln, NE 68505-0342**

**Contact: Sharon Marburger, 402.429.3323**



## Why Collecting Is Good For Kids

Your child's rock collection may just look like a pile of stones to you. But it's doing more than gathering dust. "When a child collects things, it teaches the child important skills that they use throughout their life, including how to organize and interact with others," says Desmond Kelly, a developmental-behavioral pediatrician at All Kinds of Minds in Chapel Hill, North Carolina. The institute, affiliated with the University of North Carolina, is dedicated to studying how people learn.

Here's a look at what kids who collect gather along the way:

### **Personal Responsibility:**

When it comes to a child's prized collection, you're likely to see some impressive "care and feeding." Kids often become interested in collecting around age 5, with many becoming completely intrigued with a particular collectible — be it rocks or stickers — between ages 6 and 8. It's pretty common for kids to spend hours arranging their collection and reading about the items, as well as talking about them with friends and family.

### **Organization Skills:**

That heap of stuffed animal puppies or kittens sitting atop your child's bed got there because somewhere along the way he decided: Okay, I'm putting all the dogs and cats on the bed. That stuffed iguana that Grandma gave him? It might end up on a desk all by itself because, well, it doesn't quite fit in with the other animals. So not only is the child organizing, they are categorizing.

### **Mathematical Smarts:**

Whether your child is collecting baseball cards or rocks, it's a pretty good bet that they know the exact number in their collection. They spend a lot of time grouping them into various categories: years and teams or sizes and shapes. This requires counting, tabulating, and sorting.

### **Reading Skills:**

A child with a passion for collecting rocks will also want to know when and how a rock got created, and whether Amethyst is in the same group of rocks as quartz. And that means trips to the library and an active interest in studying and learning.

### **Social skills:**

While your child is negotiating a baseball card trade or informing a classmate about the new addition to his rock collection, they are inspired to interact with other children. A collection can be a great way to boost self-esteem, as well as serve as a smooth entry into friendships. If your child is new to a school or neighborhood, discussing their rock collection can be a great ice-breaker. Meeting kids who share a similar interest could mean he's also found new buddies.

### **Budgeting skills:**

"Collectibles are a great way for kids to learn how to manage money," says Janet Bodnar, executive editor of Kiplinger's Personal Finance magazine and author of *Dollars & Sense for Kids*. "If children are expected to pay for some or all of their collectibles out of their allowance, they have to make decisions about how much they're going to spend — they're learning how to budget their money."

### **Great Fun for the Whole Family:**

Collecting is also all about fun and play. It's a good idea to let your child figure out on his own how he's going to "play" the collecting game — of course, parents should still make a point to show they care. Casually asking about his organizing scheme with a question such as, "I see you've divided up all your rocks into different groups". How did you decide which rocks go in which group?" By describing his reasoning, he reinforces the learning he's done all by himself.

Children who collect rocks will want to go out hiking and looking for rocks which is, of course, not only a health activity for the child but is fun for mom and dad too, planning your next hike, helping to find that next pretty rock and the fun of discovering a really cool rock together. There are local rock and mineral clubs all over the country that have regular events to go rock hounding, there are pay to dig mines where you can plan a trip and find valuable specimens and many families have fun together tumbling and polishing rocks and making jewelry and other decorative things from rocks and minerals.

*<https://www.kidzrocks.com/blogs/kidz-rocks-articles/why-rock-collecting-is-good-for-kids> ,Via The Agate Explorer 10/18; via The Rockhounder Dec 2018*

## Malachite

Many references have been made in gem books about the enormous size and quantities of malachite that have been used. At one time, gem grade malachite was widely used as ornamental stones.

Huge masses once were mined in the Nizhna Tagilsk mines, situated on the Siberian side of the Ural Mountains. These properties were owned by nobility and the clergy, and were operated solely for their benefit.

In one mine, a solid block of malachite was quarried and taken out intact. This block had the fantastic size of 9 x 18 feet. This mine produced more than a half million pounds of pure, solid, gem-quality malachite.

Since malachite was so plentiful, it was used for a variety of uses, mainly decorative building purposes. Whole rooms in palaces were lined with sawed slabs. Large table tops were a common item in the furniture of the nobility. Churches of old St. Petersburg held man-fluted Corinthian columns of malachite.

Emperor Alexander of Russia presented Napoleon with many magnificent gifts fashioned from this material. The Queen of England received fabulous pieces carved from malachite, as did all the nobility and clergy of Europe. Items ranged from vases to caskets, clock cases, jewelry boxes, to tiny snuff boxes.

The Belgian Congo and Rhodesia are the largest producers of rough malachite today. It also is found in Australia, England, U.S.S.R. and in Arizona.

The Term malachite is derived from the Greek word "malache" meaning mallow, in reference to its leaf color. Chemically, malachite is a carbonate of copper with about 8% water. Heating will drive off the water, with a resultant change in color. To preserve the original color, acids or liquids should not be brought in contact with it. Malachite is a soft stone, only 3 ½ to 4 in hardness, and is a poor choice for rings. It will dull easily, so is not resistant to wear.

(by Mae Williams in Gems & Mineralines, via Petrified Digest, via The Burro Express, Via a reprint from The Drifter Aug 1989)

(Picture From Wikipedia, the free encyclopedia)



Malachite from the Democratic Republic of the Congo



## The Popcorn Mineral

Perlite, the unique, so-called popcorn mineral, is one of the most surprising actors in the entire mineral kingdom. Being a highly hydrated variety of volcanic lava, it expands with almost explosive force when brought quickly under high temperatures, between 1600 and 1700 degrees Fahrenheit. It is found in a number of localities on our Western mountains, but some of the best deposits are located near Lovelock, Nevada and Grants, New Mexico. A carload of crushed raw Perlite, when expanded, produces between 10 and 12 carloads of plaster making aggregate, and a cubic foot of the expanded pellets may weigh as little as two pounds. Almost unbelievable, but this is true, nevertheless. It will expand up to 20 times its original volume.



Expanded Perlite

(reprint from The Glacial Drifter May 1990)