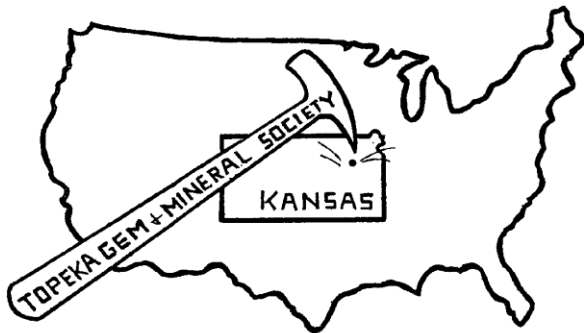


The Topeka Gem and Mineral Society, Inc.  
 1934 SW 30<sup>th</sup> St. Topeka, KS 66611  
 Rock2Plate@aol.com

# THE GLACIAL DRIFTER



[www.TopekaGMS.org](http://www.TopekaGMS.org) 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. 63, No. 3,  
 MARCH 2020



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

## 2020 OFFICERS AND CHAIRS

President	Brad Davenport	379-8700	Cab of the Month	Debra Frantz/Fred Zeferjohn	862-8876
1 <sup>st</sup> Vice Pres.	Will Gilliland	286-0905	Field Trip Coord.	Will Gilliland	286-0905
2 <sup>nd</sup> Vice Pres.	Cinda Kunkler	286-1790	Publicity	TGMS Board	
Secretary	Stacy Haug	1-857-3350	Welcome/Registration	Harold Merrifield	633-9745
Treasurer	Millie Mowry	267-2849	Property	M. Cote/D. Dillon	220-3272
Directors	Chuck Curtis	286-1790	AFMS Scholarship	Cinda Kunkler	286-1790
	Francis Stockton	913-645-7677	Editor/Exchange Editor	Millie Mowry	267-2849
	George Reed	836-9277	Show Chairman	Millie Mowry	267-2849
Historian	Open		Show Dealer Chairman	Millie Mowry	267-2849
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 President

Howdy everyone.

To say, these are different times we live in is a gross understatement. I watch in amazement as our family, local, regional, state, country and global communities have stood up and are addressing the issues we face with the spread of such a tiny organic entity.

Are we doing all we can? Is what we are doing, the right thing. Do we have the determination to persevere through the long days and weeks ahead? We are seeing great people and organizations stepping up doing selfless things to help. We are also seeing a few things bringing out the worst of humanity. Fortunately, these happenings so far are in tiny proportions to the good being done. This all could change in an instant.

Be vigilant and caring. Help where you can. Stay away from those people and places that make you feel at risk. Have a plan. I know many of us have health issues either in ourselves or family members. Awareness to such a new drastic paradigm shift can be more than over whelming. Rational thought should always rule over speculation, sensationalism, fear mongering. By the same token ignorance, apathy and denial serves no healthy purpose.

The very best solution to "Social distancing", is kicking rocks. Get out of the house, take in some fresh air and clear your thoughts and lungs. Picking up rocks is good for the body and soul.

Take care all, Brad 785-845-6624 [Brad7254@gmail.com](mailto:Brad7254@gmail.com)

## Welcome Our New Members

Mandy Harmon, & David Bennett, \* Emma Reynolds  
Gary & Donna Scoggin



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

**NEW T-SHIRTS ARE IN THE WORKS FOR THE 2020 TGMS ANNUAL SHOW.**

We The first order has been sent in and should arrive soon.

There will be a price increase on the next order.

That is why we went ahead and sent in the order now.




**February 2020 Cab of the Month Winners**


February 2020  
Class Cab Winner  
Tiger Eye  
by  
Cinda Kunkler



February 2020  
Class Jewelry Winner  
Agate Pendant  
by  
Pam Mortensen



February 2020  
Member Cab Winner  
Sonora Sunrise  
by  
Brad Davenport



February 2020  
Member Jewelry Winner  
Astrophyllite Pendant  
by  
Millie Mowry



# TGMS Event Calendar

March 2020			April 2020		
1	S		1	W	
2	M		2	T	Jr Rockhounds TSCPL rm 101C 6:30 p.m. Wire wrap class at Millie's 1 p.m.
3	T		3	F	
4	W		4	S	
5	T		5	S	
6	F		6	M	
7	S		7	T	Wire Wrap Class at Millie's 6:30 p.m.
8	S		8	W	
9	M		9	T	Wire wrap class at Millie's 1 p.m.
10	T		10	F	<b>Board Meeting 7 P M @ Millie's</b>
11	W		11	S	
12	T		12	S	
13	F		13	M	
14	S		14	T	Wire Wrap Class at Millie's 6:30 p.m.
15	S		15	W	
16	M		16	T	Wire wrap class at Millie's 1 p.m.
17	T	Wire Wrap Class at Millie's 6:30 p.m.	17	F	
18	W		18	S	
19	T	Wire wrap class at Millie's 1 p.m.	19	S	
20	F		20	M	
21	S		21	T	Wire wrap class at Millie's 6:30 p.m.
22	S		22	W	
23	M		23	T	Wire wrap class at Millie's 1 p.m.
24	T	Wire wrap class at Millie's 6:30 p.m.	24	F	<b>General Mtg Stauffer rm 138, 7:30 p.m.</b>
25	W		25	S	
26	T	Wire wrap class at Millie's 1 p.m.	26	S	
27	F	<b>General Mtg Stauffer rm 138, 7:30 p.m.</b>	27	M	
28	S		28	T	Wire Wrap Class at Millie's 6:30 p.m.
29	S		29	W	
30	M		30	T	Wire wrap class at Millie's 1 p.m.
31	T	Wire Wrap Class at Millie's 6:30 p.m.			

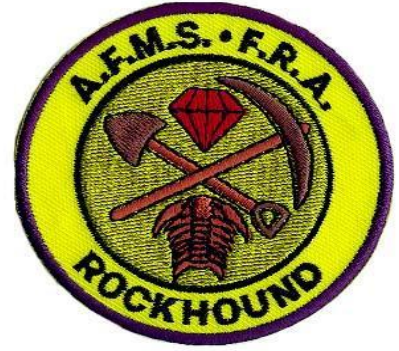
**If you are interested in Wire Wrap Classes, contact Millie, 267-2849 or [rock2plate@aol.com](mailto:rock2plate@aol.com)**

LESSONS AT THE BARN ARE WEATHER PERMITTING – Watch for emails

Check out the calendar on our web site  
[www.TopekaGMS.org](http://www.TopekaGMS.org)

## JR ROCKHOUND Classes & Reminders

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



<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)

- Apr. 2, 6-8:45 p.m., Marvin Auditorium, 101C, Field Trips, Pat Gilliland
- May 7, 6-8:45 p.m., Marvin Auditorium, 101C, Collecting, Cinda Kunkler & Millie Mowry
- June 4, 6-8:45 p.m., Marvin Auditorium, 101B, TBA

Reminder: If you want to earn the patches from the classes that you have attended you need to turn in your homework assignments.



Will G. is teaching the Gemstone Lore & Legend Class



TGMS  
General Meeting Minutes  
February 28, 2020

**Meeting called to order** by President Brad Davenport at 7:30 p.m. Total of 31 members & guests present.

**Minutes from last meeting** were printed in The Drifter. Cinda moves to accept minutes, Chuck seconds, all in favor.

**Treasury Report:** Balance was given. Millie is taking dues. Directory will be printed at the first of March. Also accepting orders for t-shirts - \$15/each. Juniors will be offered shirts in youth sizes at the next meeting. Cinda moves to approve, Chuck seconds, all in favor.

**Scholarship:** Nothing to report currently.

**Publicity:** Coupons & a flyer for this fall's show are available. Advertising will include 3 billboards around town and a newspaper ad. We will also be doing the Red Couch. Looking for ideas for low-cost advertising, possibly through social media.

**Historian:** Currently looking for someone for this position.

**Show Committee:** Many of the dealers will pay in March; three have backed out. Keep eye out for possible dealers who want 3-4 tables. Stormont Vail Event Center will be paid by March 15th.

**Field Trips:** Mike Meier has given permission to go into his sandbar on the Douglas/Shawnee County line. Will plans to talk with Jr. Rockhounds about a date; may combine with 4-H Geology on March 28th. It will be about a half-day trip in the Topeka area.

"Petroglyphs" - new book by Rex Buchranan - Will has a signed copy if anyone would like to see it. Great publication showing petroglyphs in Kansas.

The Kansas Historical Society is hosting "Kansas Archaeology Day" on April 18th; free & open to the public. The 152nd Annual Meeting of the Kansas Academy of Science will be held (in conjunction with the KS Entomologist Society) on April 3-4, 2020 at Baker University in Baldwin City, KS.

**Jr. Rockhounds** - Will has the next class on legends and folklore. If you know any youths who might be interested in joining, Brad has info cards to pass on.

**Web Master:** Facebook page is doing well; has gained more "Likes" & positive messages from followers. Website is currently in the process of being judged. If anyone sees anything that needs to be fixed, contact Jason.

**Correspondence:** Lots of flyers & coupons are available for other upcoming shows.

**New Business:** Stauffer Building is not handicap friendly. Francis reports he has been looking into alternate locations with better access. One possibility is University United Methodist Church which has a Fellowship Hall available with easier access, tables & chairs, A/V, kitchen, etc. Cost would be \$120/year. He is also going to check with Washburn to see if there are any other locations available on campus.

**Old Business:** None.

Cinda moves to adjourn meeting to the program, Chuck seconds, all in favor. Program tonight is on Picture Jasper with a lot of samples available to look at, as well as several books that have information.

Submitted by: Stacy Haug, Secretary

## The Ten Rockamandments

1. Thou shalt not touch thy neighbor's minerals unless they are placed in thy hand.
2. Thou shalt not test the strength of crystals by pushing, biting, or squeezing them.
3. Thou shalt not drop thy neighbor's fossil, for many do not bounce properly.
4. Thou shalt not drop thy neighbor's specimen in thine own pocket.
5. Thou shalt not test thy neighbor's agates for hardness by rubbing them together.
6. Thou shalt not argue the name of that mineral too violently; sometimes thou could be wrong.
7. Thou shalt not climb above thy neighbors when on a field trip lest thou must spend the remainder of the day digging them out.
8. Thou shalt protect thine own eyes, hands and feet so thou can enjoy many, many more field trips.
9. Thou shalt not encroach upon thy neighbor's diggings lest a hammer be dropped on thy toe.
10. Thou shalt not complain about or denounce thy club officers under penalty of being elected one thyself.

## What Is Druzy, and How Does It Form?

The word druse (also known as drusy or druzi), refers to an aggregate mass of small crystals (“crystal druse”). These crystal intergrowths or clusters can be formed by many different minerals. The mineral species and shapes of crystals formed are dependent on fluid composition. Crystal size is a function of fluid temperature and pressure.

A druzi is sets of tiny crystals of minerals that form on the surface of another stone. There are many types of druzi, because there are many types of minerals. Each type of druzi has particular characteristics, such as crystal size, luster and color.

Quartz is one of the most common druzi types because of the prevalence of silica throughout the world. No matter what mineral forms the druzi, the overall appearance usually resembles that of sugar. The tiny crystals are considered beautiful because, like large gemstones, they glitter and catch rays of light.



### Formation:

The geological process that forms a druzi, the layer of crystals on the rock, occurs when water brings minerals onto a rock's surface. When the water evaporates, cooling occurs and the minerals are left behind to form crystals on top of the rock. Depending on the minerals, druzi gemstones can be almost any color of the rainbow, including white, pink, blue, purple, green or black.

Most druse forms as cavity lining in geodes. The botryoidal agate mass of the geodes are irregular, lumpy like a cluster of grapes. As a result, typically the surface area for cutting a cab is small. Large stones are less common. Many cutters keep a border of plain agate around the druse covered area of the cab to produce larger cabs.

In most druse, the terminations of crystals appear random and stones glitter like a fistful of tiny diamonds as the viewing angle changes with movement. Some rare formations of druse occur in which the alignment of the crystal faces are uniform across the surface and the glitter turns to a flash.

Colors of natural druse vary widely and enhanced variations are infinite. Crystal druses of most mineral species other than quartz are rare, so >95% of the Drusy on the market is quartz.

These coatings and dyes are popular for improving the less attractive colors of naturally brilliant druse crystal aggregates turning shades of gray and brown into “cobalt blue” and “titanium purple”.

<http://www.geologyin.com/2018/04/what-is-druzy-and-how-does-it-form.html>

Via Cedar Valley Gems, 3/20; via The Rockhounder March 2020



## Thomsonite

### By Amethyst Gallery – “First Internet Rock Shop”

Thomsonite is one of the rarer zeolites. It forms tight acicular radiating clusters and spherules as well as some blockier crystals that are found in the vesicles or bubbles of volcanic rock as are most other zeolites. Natrolite, another zeolite, is usually square in cross section but is otherwise difficult to distinguish from thomsonite. The color is usually colorless or white, but a few specimens have shown a lovely yellow color. Thomsonite is a rare mineral and is sought after by collectors of rare zeolite minerals.



Zeolites are known to have an openness about their structure that allows large ions and molecules to reside and actually move around inside the overall framework. The structure actually contains open channels that allow water and large ions to travel into and out of the crystal structure. The size of these channels controls the size of the molecules or ions and therefore a zeolite can act as a chemical sieve, allowing some ions to pass through while blocking others.

#### PHYSICAL CHARACTERISTICS

- Color is clear, white and yellow .
- Luster is vitreous.
- Transparency: Crystals are transparent to translucent.
- Crystal System is orthorhombic.
- Crystal Habits include tight acicular radiating clusters and spherules. Blocky, prismatic, fibrous and tabular crystals are also known.
- Cleavage is perfect.
- Fracture is uneven.
- Hardness is 5 - 5.5
- Specific Gravity is approximately 2.2 - 2.4 (light).
- Streak is white.
- Associated Minerals are quartz, calcite, chabazite, natrolite, heulandite, stilbite and other zeolites.

Notable Occurrences include Saxony, Germany; Italy; Faroe Islands; Kilpatrick Hills, Scotland and Kern Co., California and Cape Lookout, Oregon, USA.

Best Field Indicators are crystal habit, density, hardness and associations.

*Unless otherwise noted, all mineral descriptions, plus the related descriptions are the property of Amethyst Galleries, Inc., and may not be copied for commercial purposes. Permission to copy descriptions and images is granted for personal and educational use only. All such copies must include this copyright notice and explicit references to the URL <http://mineral.galleries.com/>.*

*Via The Tidewater Prospector, 1/15; via The Rockhounder June 2015*

