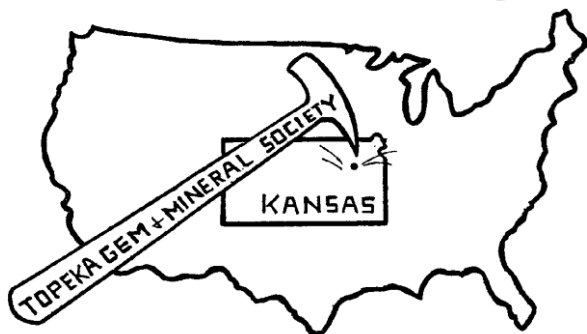


The Topeka Gem and Mineral Society, Inc.
 1934 SW 30th St. Topeka, KS 66611
 Rock2Plate@aol.com

THE GLACIAL DRIFTER



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. 65, No. 10
 October 2022



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: 4th Friday of each month, September to May, 7:30 pm, University United Methodist Church, 1621 SW College, Topeka, KS 66604. 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 30th St, Topeka, KS 66611.**

www.TopekaGMS.org

2022 OFFICERS AND CHAIRS

President	Brad Davenport	379-8700	Cab of the Month	Donna & Russell Hedge	620-660-1651
1 st Vice Pres.	Will Gilliland	286-0905	Field Trip Coord.	Cole Collins	220-4027
2 nd Vice Pres.	Cinda Kunkler	286-1790	Publicity	Donna Stockton	913-645-7677
Secretary	Stacy Haug	1-857-3350	Welcome/Registration	Harold Merrifield	633-9745
Treasurer	Millie Mowry	267-2849	Property	D. Dillon	272-7804
Directors	Chuck Curtis	286-1790	AFMS Scholarship	Cinda Kunkler	286-1790
	Jim Baer	785-256-2432	Editor/Exchange Editor	Millie Mowry	267-2849
	Dave Dillon	272-7804	Show Chairman	Dave Dillon	272-7804
Historian	Open		Show Dealer Chairman	Dave Dillon	272-7804
Federation Rep	Chuck Curtis	286-1790	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 .
Permission is granted to reprint articles only if proper credit is given to the author, Glacial Drifter and the date.



Fodder from the president. October/22



Howdy all. As you should know, we wrapped up another show last weekend. All seemed to go pretty well. We don't have all the numbers together yet but there did appear to be decent crowds both days. Not great but decent. A verbal survey with all the dealers verified that it was not as good as last year but well worth their being there. The number of young ones I thought was way down. The number of personal friends that I have not seen in decades was way up.

Set up and take down is always tough. We seem to have just enough people helping year in and year out to pull it off. Of course, it is basically the same people doing the work perennially. I do wish we could get better participation from the membership. After all, this is your club. If you want it to thrive, you must be there to help us.

Tuesday evening out at the shop we had a record crowd of 22 people. This included 9 brand spanking new members. I didn't get a chance to visit with each one of you but welcome aboard.

That's all I have for now.

Brad

October's General Meeting Program

Cinda is working on a wonderful surprise for us!

See you all at the meeting.

2022 Election Committee Report

This year Will Gilliland, the 1st Vice President has asked to be replaced, so the changes on the ballot at the November meeting will be:

David Dillon..... for 1st Vice President

Shirley Schulz..... for Director (replaces David Dillon)

TGMS Event Calendar

Oct. 2022			NOV. 2022		
1	S		1	T	Brad's Shop Open 6-10 pm
2	S		2	W	
3	M		3	T	JR RDH MTG UUMC 6 pm
4	T		4	F	
5	W		5	S	
6	T		6	S	
7	F		7	M	
8	S		8	T	Brad's Shop Open 6-10 pm
9	S		9	W	
10	M		10	T	
11	T		11	F	Board Meeting at Millie's
12	W		12	S	
13	T		13	S	
14	F		14	M	
15	S		15	T	Brad's Shop Open 6-10 pm
16	S		16	W	
17	M		17	T	
18	T	Brad's Shop Open 6-10 pm	18	F	General Meeting UUMC 7:30 p.m.
19	W		19	S	
20	T		20	S	
21	F		21	M	
22	S		22	T	Brad's Shop Open 6-10 pm
23	S		23	W	
24	M		24	T	THANKSGIVING DAY
25	T	Brad's Shop Open 6-10 pm	25	F	
26	W		26	S	
27	T		27	S	
28	F	General Meeting UUMC 7:30 p.m.	28	M	
29	S		29	T	Brad's Shop Open 6-10 pm
30	S		30	W	
31	M				

If you are interested in Wire Wrap Classes, contact Millie, 267-2849 or rock2plate@aol.com

Check out the calendar on our web site www.TopekaGMS.org

ALL MEMBERS.....SAVE THE DATES.....

DECEMBER 2, 2022

That is when our club has our annual Christmas dinner and installation of new club officers. It will be held at the Viking Bar and Grille at Hunter's Ridge off 46th Street at 6 pm. You will be responsible for your own meal again this year, and you can bring your spouse or girlfriend, etc. There will NOT be a General Meeting in December.

JR ROCKHOUND Classes & Reminders

Here are reminders of the next few months of classes: **University United Methodist Church, 1621 SW College Ave., Topeka, KS.** 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



Next Class: November 3, 2022 Rocking on the Computer, Jason Schulz

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



Cole Collins has taken the position of Field Trip Coordinator. If you have a place that you would like to go, contact him at cole7collins@gmail.com or 785-220-4027.



OUR NEW MEMBERS

Robin A. Bailey
Auburn, KS

Ioana Sirbu & Adrian Costin
Topeka, KS

Tammy Blase
Topeka, KS

Dave, Gloria & Evelyn Horn
Topeka, KS

Olivia Jones
Lawrence, KS

Benjamin L Kinzie
Topeka, KS

Pamela & James (Jim) McConnaughey
Meriden, KS

Deborah J & Ronald J Muhasky
Maple Hill, KS

Molly Northup
Topeka, KS

Catherine Orzabal
Meriden, KS

Nathan & Misti Taylor
Rossville, KS

Robin, Duane & Michella Hicks



Note From Dave Dillon

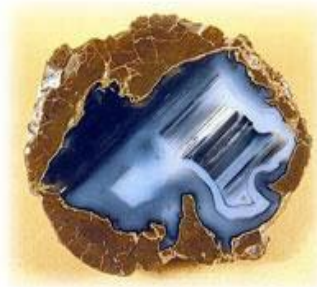
I would like to thank everyone for all their help in getting our show up and running! Setup day went great and I thought everyone did an excellent job during the show! I wasn't much help which I Apologize for. I was down in the back and now I'm fighting a cold. 😞. All the vendors I talked with had a good show and are wanting back next year! We will start planning our show for next year soon! Anyone who would like to help next year and help planning our show let me or Brad know! Dave

I think everyone must agree, this year's t-shirts were a big hit!
I have 3 each left, in the sizes: 2XL, 3XL, & 4XL. If anyone wants an extra one for a gift, or to make a pillow out of or just to sleep in, just let me know.

Millie

THUNDER EGGS

Thunder eggs do not thunder and neither will they hatch. They are not even eggs! They are called thunder eggs because they were once thought to be petrified eggs of the terrible dinosaur called the Thunder Lizard or Tyrannosaurus Rex.



They are curious baseball-shaped concretions dug from the soil of old volcanic ash beds of Idaho and Oregon.

These concretions were once hollow lava pockets that have since been filled with chalcedony, agate and opal. When cut in half and polished, they reveal patterns of great beauty and color.

Thunder Eggs are sometimes confused with geodes. The thunder eggs are solid, a geode is a similar shaped hollow globular body varying from two inches to a foot or more in size and is characteristic of certain limestone beds. They have hollow interior linings of inward projecting crystals and sometimes this lining is drusy quartz. They have a clay film between the outer geode and the enclosing limestone.

From Pickin's & Diggin's 12/1991 Jean Wallace, Editor, via Rockhound Gazette, 1/13, via: Stoney Statements Feb 2014

The Topeka Gem and Mineral Society
General Meeting
September 23, 2022 at 7:30 p.m.

President Brad Davenport calls the meeting to order at 7:35 pm. There are 27 members present.

Approval of Minutes: Chuck Curtis moves to accept the minutes as they are; Harold Merrifield seconds. All in favor. Motion passes.

Treasury Report: Millie Mowry reports the club balance. T-shirts are being printed & should be ready by next week. Millie will call or email when they are in and ready to be picked up. If anyone has anything they would like to donate to the club to raffle off, let an officer know; does not have to be geology related.

Old Business: Paperwork has been sent in to change our club corporate status to 501(C)(3).

Communications: Nothing to report

Show: Lots of help from club members is still needed for the show. There are sign-up sheets - please donate as many hours as you can. There are 18 vendors signed up for the show.

Field Trip - There is a field trip scheduled for September 24th at 10:00 a.m. at the Lardner Construction Company located at 128 NW Van Buren.

Junior Rockhounds: There will be no class in October due to the show set-up. The club is always looking for new members to join.

Publicity: Sammy reports there will be several commercials running on Country 107 FM and 580 AM the week before the show. TV commercials will run on WIBW, KSNT, FOX 43. There will be an interview on the KMAJ morning show on October 5th. WIBW Red Couch will run on Thursday, October 6th. Billboards are up. If anyone knows business owners, etc. who would be able to donate to the club, please direct them to Sammy.

If anyone knows of businesses with promotional items (pens, keyrings, etc.) that could be donated for our goodie bags, please contact Donna Stockton.

Webmaster: Nothing to report.

Shop: There has been good turnout the past few weeks. The new Genie machine will go online on Tuesday, October 8th.

Historian: Nothing new to report.

Time-sensitive: None

New Business: Meetings will be moved from our current location after the end of the year. The new location will be at the First Congregational Church at 17th & Collins.

The Stocktons have offered up a building on their property in Ozawkie for storage for the club. It is unclear whether the moving company would travel to that location.

There is an opportunity to purchase 80 oz. of silver for casting at the shop for \$1400. Would need 14 people to buy in at \$100/each for this. Currently, 8 people are interested. Sammy moves to have the club pay the difference in cost (\$600) to be sold to members at a later date. Deborah Scanland seconds. Motion passes.

Brad received more than 100 lbs. of agates from the late Bill Voltz collection. Many of these will be auctioned at tonight's silent auction, as well as at the show.

The club has two almost-new Highland Park cab machines for sale for \$600/each - currently to club members only; first-come, first-served. If interested, please contact Millie or Brad. These will be made available for purchase to the public at the show.

Adjournment: With nothing further to discuss, Harold Merrifield moves to adjourn, Matt Fowler seconds. Meeting is adjourned to a silent auction.

Submitted by: Stacy Haug, TGMS Secretary



We need your **BEST CHOICE** UPC Labels --

Bring them to the monthly meeting, and give them to Cinda Kunkler.

MINERAL WITH THE HARDEST TO PRONOUNCE NAME - JEREMEJEVITE Don Shurtz, Pleasant Oaks Gem and Mineral Club of Dallas

The best way to describe the mineral Jeremejevite is “rare”. It is also extremely difficult to pronounce its



name. Jeremejevite has origins in Germany, and in German the “J” is pronounced more like a “Y” – for instance “ja” (yes) is pronounced “ya”. So Jeremejevite would be “yer-eh-may-yeh-vite” or “yer-ehmay-yehv-ite” or even “ye-rem-ay-ev-ite” depending on the source you are listening to. If you listen to the pronunciation on some websites you will also here it pronounced with a “j” or soft “g” sound such as “jer-eh-mej-er-vite”, but these do not match the German origin of the name. The bottom line is that it is as difficult to pronounce its name as the mineral rare.

Jeremejevite was originally identified as a unique mineral in 1883. The mineral was initially found in the Adun-Chilon Mountains of Siberia but has since been found in Tajikistan, Namibia, Germany, and most recently in Madagascar.

Jeremejevite is named for the Russian Mineralogist Pavel

Eremeev; his last name becomes Jeremejev in German, thus

the source of the name. It normally shows up in top 10 lists for rare and expensive gems ranging from 9 to 2 in most lists. It is significantly rarer than most diamonds, the exception being red diamonds. Its rarity is on a par with Red Beryl which is found only in Utah and New Mexico.

Jeremejevite’s chemical formula is $Al_6B_5O_{15}(F,OH)_3$ The color can be clear, yellow, or blue. Those from

Germany are generally of the blue color. It has a Mohs hardness of 6.5 to 7.5 and exhibits a white streak. Although most cut Jeremejevite’s are less than a few carats, the Smithsonian has a 12.78 carat specimen and the Perot Museum has a 43 carat specimen. The Smithsonian specimen is clear and has numerous hollow tube inclusions stained by iron.

The Perot Museum specimen is clear and if you examine it closely you can see a red crystal inclusion under the table facets. For many years, the largest cut Jeremejevite was a 59.68 carat that is pale blue in color. However, recently a faceted 106.5 ct Jeremejevite has been documented by the American Gemological Laboratories.

Ref:

- Proquest, <http://search.proquest.com/>
- Smithsonian National Museum of Natural History, <http://geogallery.si.edu/>
- Wikipedia, <https://en.wikipedia.org/wiki/>

Pictures:

- Blue Crystals: Rob Lavinsky, iRocks.com – CC-BY-SA-3.0

· Faceted Stone: Don Shurtz, specimen on display at Perot Museum of Nature and Science
Via SCFMS January-February 2017 news-letter. Via: Stoney Statements Aug 2017



SEPTARIAN DRAGON STONE



This stone has a few different names, Dragon stone, Septarian Geode, Septarian Concretion, to name a few. It is an interesting stone as it is a combination of different minerals. The name Septarian is derived from the Latin name, Septem, meaning seven. This relates to the fact that the mud balls cracked with 7 points in every direction, thereby creating the beautiful design. Septarians are composed of Calcite (The Yellow Centres), Aragonite (The Brown Lines) and the Outer Grey Rock is Limestone. Occasionally the fossil or some of the fossils which started the formation of the rock is noticeable in the rock.

Septarians were formed during the Cretaceous period, 50 to 70 million years ago when the Gulf of Mexico reached what is now Southern Utah. Decomposing sea life killed by volcanic eruptions, had a chemical attraction for the sediment around them, forming mud balls and as the ocean receded, the balls were left to dry and crack. Because of their bentonite content they also shrank at the same time trapping the cracks inside. As decomposed calcite from the shells was carried down into the cracks in the mud balls, calcite crystals formed. A thin wall of calcite was transformed into aragonite separating the bentonite heavy clay exteriors from the calcite centres. Because of this, the nodules are called Septarians.

Concretions

Septarian concretions are a special type of concretion. Concretions are masses of mineral matter formed when minerals in water are deposited about a nucleus (such as a leaf or shell or other particle) forming a rounded mass whose composition or cement is usually different from the surrounding rock. This can occur at the time of deposition, shortly thereafter, or after the sediment has hardened.



Generally, concretions are harder than the rocks around them; therefore, over time the concretions can weather out of the surrounding rocks. Concretions in Kansas are formed from any of a number of minerals, including calcite, limonite, barite, pyrite, or silica.

They vary widely in shape and size, with the huge spherical concretions at Rock City in Ottawa County and Mushroom Rock State Park in Ellsworth County measuring up to 27 feet in diameter. *via Drifter 9/2017*