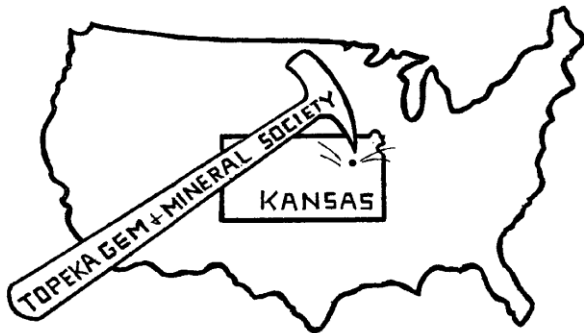


The Topeka Gem and Mineral Society, Inc.
 1934 SW 30th St. Topeka, KS 66611
 Rock2Plate@aol.com

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. 11,
 November, 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: 4th 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 30th 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 st Vice Pres.	Dave Dillon	272-7804	Field Trip Coord.	Will Gilliland	286-0905
2 nd Vice Pres.	Cinda Kunkler	286-1790	Publicity	TGMS Board	
Secretary	Lettie Thomas	409-7026	Welcome/Registration	Open	
Treasurer	Millie Mowry	267-2849	Property	M. Cote/D. Dillon	220-3272
Directors	Chuck Curtis	286-1790	AFMS Scholarship	Cinda Kunkler	286-1790
	Brad Davenport	379-8700	Editor/Exchange Editor	Millie Mowry	267-2849
	Will Gilliland	286-0905	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.
Permission is granted to reprint articles only if proper credit is given to the author, Glacial Drifter

date.



and the

Words from Our Top Rock!

Due to the cold weather we must close the Barn so the equipment will not freeze up. I understand that Millie will continue to have a wire wrap class at her house on Tuesday nights for the new students. If you are interested in lessons be sure to contact her.

Officer Election will be at the November meeting. If you are interested in holding a position let me know.

I know it is early but, arrangements have been made for our annual Christmas Dinner at Paisano's Ristorante, 4043 SW 10th St., Topeka at 6:30 p.m., on December 7th. We will be in the larger room next to the one we had last year and we need at least 50 people to join us. Dinner will be at your own expense.

Mike Cote`

November 2018 Program

For the many of us who missed the opportunity to hear him talk at our show – this is our chance!

The program for November will be the video (taken by Jason Schulz) of **Ron Wooley Dreaming Down Under and his talk about Opals.**

I hope all of the members can be at the meeting to hear his presentation. We also will be voting on Officers for the upcoming year 2019. Everyone's input counts, please come, bring suggestions for what you might want to have as a program in 2019, don't forget to bring a rock if you need one identified! Hope to see you there! Cinda

Fall Field Trip



The 2018 Fall Field trip was Saturday October 20th. This was a joint field trip with the Shawnee County 4-H Geology group. The field trip was conducted in the Southern Flint Hills to collect marine fossils of the Pennsylvanian and Permian in age.

The field trip was attended by 27 persons. There were 12 members of TGMS attending, 9 persons from the 4-H geology group and 6 guests. Many good fossils were found at the four stops.

Will Gilliland, 785-286-0905 gillilandp@aol.com

TGMS Event Calendar

Nov 2018

1T	
2F	Lessons at the Barn are canceled due to the cold weather.
3S	
4S	
5M	
6T	
7W	
8T	Wire Wrap Class @ Millie's 1-3 p.m.
9F	
10S	
11S	
12M	
13T	Wire Wrap Class @ Millie's 6-9p.m.
14W	
15T	Wire Wrap Class @ Millie's 1-3 p.m.
16F	TGMS General Mtg. Washburn Stauffer Hall, rm. 138, 7 p.m.
17S	
18S	
19M	
20T	NO WIRE WRAP CLASS
21W	
22T	THANKSGIVING DAY
23F	
24S	
25S	
26M	
27T	Wire Wrap Class @ Millie's 6-9 p.m.
28W	
29T	Wire Wrap Class @ Millie's 1-3 p.m.
30F	

Dec 2018

1S	Lessons at the Barn are canceled due to the cold weather.
2S	
3M	
4T	
5W	
6T	TGMS Jr RHD's, Marvin Auditorium 101A Wire Wrap Class @ Millie's 1-3 p.m.
7F	TGMS Christmas Dinner @ Paisano's 6:30 p.m. 4043 SW 10 th ST.
8S	
9S	
10M	
11T	Wire Wrap Class @ Millie's 6-9p.m.
12W	
13T	Wire Wrap Class @ Millie's 1-3 p.m.
14F	
15S	
16S	
17M	
18T	NO Wire Wrap Class @ Millie's
19W	
20T	NO Wire Wrap Class @ Millie's
21F	
22S	
23S	
24M	
25T	CHRISTMAS DAY
26W	
27T	NO Wire Wrap Class @ Millie's
28F	NO TGMS General Meeting @ Washburn
29S	
30S	
31M	NEW YEARS EVE

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

If you are interested in Wire Wrap Classes, contact Millie, 267-2849 or 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



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...

- December 6, Communications, Millie Mowry 101A, Marvin Auditorium

Some of the Rockhounds were given notebooks for the Communication Patch. If you have written your story for the article in the Drifter, bring it in so that it can be counted, then published in the next Drifter. For those who do not have the note books, see Millie and she will give you one.



This is the schedule for the Topeka Junior Rockhounds for the next 6 months
At the Topeka Shawnee County Library

January 3, 2019	Topeka Junior Rockhounds	Rm 101A Marvin Auditorium
February 7, 2019	Topeka Junior Rockhounds	Rm 101C Marvin Auditorium
March 7, 2019	Topeka Junior Rockhounds	Rm 101C Marvin Auditorium
April 4, 2019	Topeka Junior Rockhounds	Rm 101C Marvin Auditorium
May 2, 2019	Topeka Junior Rockhounds	Rm 101A Marvin Auditorium
June 6, 2019	Topeka Junior Rockhounds	Rm 101A Marvin Auditorium



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 1st, 2019.

If you have a question about it, see Millie.

Topeka Gem and Mineral Society General Meeting – October 26, 2018 Minutes

Attendance: 21 members and 0 guests attended.

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

Approval of Minutes: Lettie Thomas reported that the September minutes were published in *The Drifter*. David Dillon moved to approved and Jason Schulz seconded. The September minutes were unanimously approved.

Treasury: Millie Mowry reported the balance in checking and said dues for 2019 were being collected. She also noted that books and calendars left over from the show were for sale. Harold Merrifield moved to approve the report. Chuck Curtis seconded. The Treasury Report was unanimously approved.

Correspondence: Cinda Kunkler confirmed there was no correspondence to report.

New Business: Dave Dillon recommended changing the format of the general meetings to include only essential business and focus more on programming in an effort to increase participation and membership. Chuck Curtis moved to approve the new meeting format. Brad Davenport seconded, and the motion was unanimously approved.

Dave Dillon said programming suggestions should be sent to Cinda Kunkler.

Millie Mowry announced the Christmas Party would be held at Paisano's on December 7th at 6:30 pm. At least 50 people needed to attend.

Adjournment: The meeting was adjourned by consensus to convene the monthly program, The Diamond Story.

Cab, Jewelry & Wire Sculpture of the Month:

Member Jewelry: Millie Mowry's Seraphinite Bronze Pendant

Member Cab: Brad Davenport's Maury Mountain Moss Cabochon

Member Art: Ian Schulz's Chainmail Bag

Respectfully submitted by Lettie Thomas, TGMS Secretary.



Annual Christmas Dinner

Paisano's Ristorante

4043 SW 10th St., Topeka at 6:30 p.m., on December 7th.

Bring your best spouse, or your best friend, we need at least 50 people to attend again this year. You will be responsible for your own dinner.

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



PLUME IN JASPER

Submitted by Gene Gangle, Willamette Agate & Mineral Society



“There are more things in Heaven and Earth, Horatio, than are dreamt of in your philosophy.” Shakespeare’s Hamlet to Horatio.

Fifty years ago, the conundrum posed in beginning philosophy classes was the following question: *If a tree falls in the forest, and there is no one around to hear it, does the tree falling make a sound?* Now the question in cosmology, a branch of philosophy, seems to be along the lines of whether the universe exists, if you are not there to apprehend it. The answer seems to be that it does not exist. We further muddy the metaphysical waters by positing, according to the astrophysicist Neil de Grasse Tyson, that there appear to be multiple universes beyond the one we see. The ostrich may have had the right idea. Bury your head in the sand and the world goes away. If you are still with me, I am impressed. I

am going to get to rocks.

Our understanding and appreciation of rocks depends on our ability to see what we are looking at.

Basically, that’s what the twelfth century philosopher Thomas Aquinas said when he said (in Latin) “What we see we see according to our manner of seeing.” Basically we see what we want to see, whether it is a rock or the universe.

If we do not have the lense or framework or filter to see that burst of plume in the agate, it doesn’t exist. At least for us. Hope you are still with me.

So. Agates. Plume in agates. Minerals that manifest themselves encased in silica, once a gel, now hardened into agate.

The process seems to pose a tautological question – now I’m just showing off using big words – does the plume form first with the silica gel “capturing it” or does the mineral express itself in the gel-like silica? Actually, it doesn’t seem to be an either-or question; it seems that both processes can happen. You may have seen manganese and other salt tubes lined up in a thunderegg cavity, before the silica gel migrated and captured these tubes. After that event of capture we can see the wonderful flowers, bushes, trees in an array of colors that make up the plume. That is one scenario. The other scenario – we always work from after-the fact – is when we see the plumes floating, as it were, in the agate independent of the walls of the cavity. Eagle Rock, Powell Butte, Woodward Ranch, Canadian River, and sometimes Carey Plume, are examples. Since Graveyard, Stinkingwater, Nydegger, and Teeter Ranch are seam agates, these plumes form themselves from the sides.

Nothing new here, really. This review of what many of us already know, sets the stage for what follows, i.e., plume in *jasper*.

Plume in jasper? Yes, it does occur. If we think about it, the same dynamic exists as in agate. Silica is involved in both. And, if we define jasper as more or less silica, it is in fact normal to find minerals other than the basic matrix of the jasper to be present also.

So, if we define plume as portions of a stone that present trees, bushes, flowers, then we do in fact, though rarely, find plume in jasper.

It seems to me that areas in the jasper coalesce and gather themselves when the material is still plastic, then stabilize as the host material stabilizes (i.e. hardens to its final state) and this is how jasper presents plume.

Bear with me. Thank you. I’m making this up as I go along.

Rock and Gem, June 2011, page 50, refers to the “Big Five” porcelain jaspers as: (1) Willow Creek; (2) Bruneau (both from Idaho); (3) Imperial (from Mexico); (4) Blue Mountain; and (5) Morrisonite. I would add a sixth to that list – Hart Mountain. These last three are all from Oregon.

They say there are three kinds of people -- those who can count and those who can’t count. Sorry. Too subtle. Our “Big Five” porcelain jaspers have become for me the “Big Six” porcelain jaspers

(con’t on page 7)

So. What makes a porcelain jasper? To be a porcelain jasper, one needs jasper that will present a glossy luster resulting in dramatic depth.

I have one example of Willow Creek showing plume. Willow Creek, a thunderegg-like Bruneau, presents glorious pastels – yellow, mauve, fuchsia, puce plus other colors associated with the minerals making up the nodule. I know what mauve and fuchsia are; I wasn't sure about puce. My collegiate dictionary did not list it. My unabridged dictionary described it as deep brown to purplish brown and located it in the visible spectrum. Is that unabridged enough for you? I do have a 40 x 30 cab that shows these colors besides my plume cab.

I have three examples of Bruneau showing plume – one 40 x 30 and two freeform cabs. (See Fig. 1)

I have two examples of Imperial, one red and one green (leaning to puce!).

I have three examples of Blue Mountain, two calibrated and one freeform.

I have numerous examples of Morrisonite (actually fourteen, half freeform and half calibrated). Remember, I can't always count well. (See Fig. 1)

I have one example of Hart Mountain, a freeform cab.

As a bonus, I have one freeform cab of Bloodstone showing plume and I have two examples of Owyhee jasper showing plume.

My purpose in writing this is to point out that there are more worlds out there than we admit in our cosmology. Shakespeare said something along that line some 450 years ago. He might have said it better than I. There might be wonderful plume in our jaspers, but they are only there if we see them. Perhaps we should ask how we can see more than we usually see. What sense indeed can give us a new vision? The eyes have it.

SAGENITE IN JASPER

"To him who in the love of Nature holds communion with her visible forms, she speaks a various language." These are the first lines of William C. Bryant's Thanatopsis.

As a rockhound, I enjoy seeing these special visible forms showing in my rocks and, in the past several months, I found sagenite in Bruneau jasper and in Hart Mountain jasper.

Sagenite is a sometime thing in agate, but almost never shows in jasper. I have a nice scene showing in my Bruneau, a winter moon rising off the shoulder of Mt. Hood. But my cab had these annoying little needles radiating from the bottom. (See Fig. 2) I did not see at first what I did not expect. Sagenite! And my Hart Mountain slab showed a double sagenite spray, like a dandelion puff-ball, showing classic sagenite fans. Subsequently, my newly calibrated vision let me see that both a Morrisonite cab (See Fig. 2) and a Vistaita cab displayed sagenite.

In my experience there are several kinds of sagenite. There is the mossy, straw-like display as found in McDermitt material and in some Mexican agate and Nipomo agate. There is the fan-like presentation often seen in Oregon beach agates, acicular in form. And finally, there is quartz pseudomorph after aragonite, resembling a cluster of radiating tubes. The term "totally tubular" comes to mind, a term that I first heard some forty years ago and which I don't know now nor did I know then what it means. Likely it is an expression of surprise and approval and delight.



Sagenite in jasper. Totally tubular.

(Source via: Clackamette Gem Jan 2015)



Plume in jasper. Totally tubular.

LIMB CAST OR FOSSIL LIMB SECTION?

Do you know the difference between a fossil limb section and a limb cast? Some call a specimen by either name, not realizing that there is a difference. A limb cast occurs when a buried limb has decayed and the resulting void has been filled with agate or some other material. The cast is in the form of the original limb, but no cell or ring patterns have been preserved.

A fossil limb section is a portion of petrified wood. As the wood decayed, it was gradually and completely replaced by mineral deposits, cell by cell. Thus, a part of the wood structure's cells and rings have been preserved.



via Grindings, 01/2005 via El Gambrisino, 2/15 via The Rock Collector, 2/15, via Stoney Statements Feb 2015.

WHAT'S A VUG?

The word "Vug" means a cavity in a rock. It can also mean a cave or hallow.

It's an old Cornish miner's term. But, more important... what's IN a vug? Those underground voids give the crystals we seek room to grow unimpeded and give life to the old phrase "solid ground".

Depending on the ground, vugs can yield contents from the humble to the sublime!

At best, these can be fine examples of fine or common gem material, or once in a century finds like the celebrated vug in Cripple Creek's Cresson Mine where \$1,200,000 in crystallized gold was removed from a single, small opening in a rock!



Editor's note: I could not reproduce the picture in The Franklin County Rockhouser so this is from Wikipedia. This vug in the Cascade Range is partially filled with quartz crystals.

Rockin' Around February 2011 S.C.R.I.B.E CD 2012, Rock Buster News, 2/15, The Rock Collector 2/15, via Stoney Statements Feb 2015.

