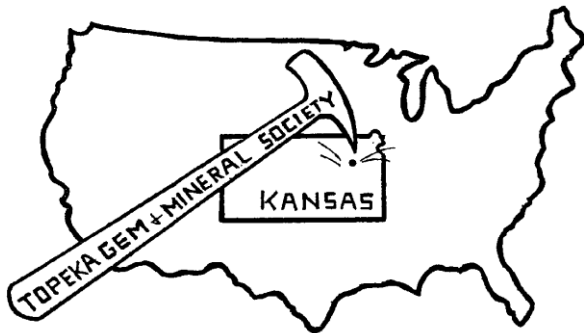


The Topeka Gem and Mineral Society, Inc.
 1934 SW 30th St. Topeka, KS 66611
 Rock2Plate@aol.com

THE GLACIAL DRIFTER



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

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. 59, No. 06, June 2016

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.**

2016 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. | Leslie Hartman | 380-6016 |
| 2 nd Vice Pres. | Carolyn Brady | 233-8305 | Publicity | Donna Stockton | 913-645-7677 |
| Secretary | Cinda Kunkler | 286-1790 | Welcome/Registration | Jason Schulz | 379-5538 |
| Treasurer | Millie Mowry | 267-2849 | Property | M. Cote/D. Dillon | 379-5538 |
| Directors | Harold Merrifield | 633-9745 | AFMS Scholarship | Cinda Kunkler | 286-1790 |
| | Chuck Curtis | 286-1790 | Editor/Exchange Editor | Millie Mowry | 267-2849 |
| | May Springer | 286-0742 | Show Chairman | Harold Merrifield | 633-9745 |
| Historian | Deborah Scanland | 273-3034 | 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 | 379-5538 |
| Librarian | open | ----- | Show Case Coordinator | Francis Stockton | 913-645-7677 |
| Web Master | Jason Schulz | 379-5538 | | | |

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.

Minutes of the Topeka Gem and Mineral Society

5/27/16

Dave Dillon called the meeting to order. Jason Schulz announced 25 members and 1 guest are present for the meeting, door prizes were awarded. Door prizes are needed – bring donations to the picnics this summer!

The minutes from the March & April meeting were printed in The Drifter. Jason made a motion and Chuck Curtis 2nd to accept as printed.

Treasurer's report was given by Millie Mowry a motion was made by Jason to accept the report, Chuck 2nd, motion carried. No bills were presented. Millie has TGMS patches for sale \$12 large and \$6 small, they turned out really nice.

Correspondence: Cinda read a letter from Richard Jaeger thanking the club for our donation to the AFMS Scholarship fund. This was a donation from our speaker at the April meeting – Dr. Matthew Brueseke. Dave has sign-up sheets; please sign up to help at our show this October. For the months of June, July & August, we will have picnics at Millie's house starting at 6:30 pm, the 4th Friday each month. We will have a silent auction there in June – no need to bring anything for the auction except your checkbook! The picnic is a potluck, so bring your favorite dish, and table service.

Committee reports: RMFMS Chuck reported for Harold. Jason and our website took 3rd place in the RMFMS contest – on to the AFMS contest now. Our club in 2nd in donations to the AFMS Scholarship fund within the RMFMS Federation. ACROY – yearly recognizes a club member and juniors for member of the year.

Jason reported we have a new website www.topekagms.org, he is working on changes for the new one, but until the AFMS contest is over, he cannot change the content. He will want new information and photos that anyone has to share. We have 93 likes on Facebook and a new JR Rockhounds Facebook page.

Deborah – Historian has slides that we are going to put on CD's for future use.

Dave reported on Publicity since Donna & May could not be at the meeting. Lesliee has been sending lists of sponsor items, the show will be advertised on billboards and we may have T-shirts again. He also reported that we have 12 dealers paid in full for the show, and are wanting at least 5 more.

Jason plans to have an advisor meeting for Junior Rockhounds in June or July, he has the 4H State Field Trip coming up, so after that is over.

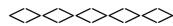
New Business: Millie had mailed changes on our By-Laws. No questions were asked.

Badges were presented to Junior Rockhounds who were present for the meeting and Dave gave each Jr with a vest a new TGMS patch.

Bobbie Anderson made a motion to adjourn to our program: Kansas Geology by Pat & Will Gilliland.

Fred Zeferjohn announced the Cab of the Month contest winners are: Member Cab – Brad Davenport - Rhodonite; Class Cab Ian Schulz – Rhodochrosite; Class Jewelry Robert Schulz – Ying Yang in Silver.

Respectfully submitted by Cinda Kunkler, Secretary



Words from Our President

Members, Classes have started up now on Tuesday nights. We are having a good turnout of new students to learn the craft of lapidary. I am very pleased to see that they are interested and eager to learn. We need more of our club members that want to learn to join us. Picnics are Millie's house in place of the general meeting for the summer meetings. There is always lots of good food and fellowship, so don't miss the picnics. The June picnic we are planning something special after we eat. All have for now.

President Mike and his Rock Stash!

From Dave

Classes have started! We are doing both stone cutting and basic silversmith. Have several new students coming! It is summer so make plans for coming to the summer picnics and having some fun. In June we will be having a rock auction at Millie's house after the picnic. Dave-

Topeka Gem and Mineral Society has a new website:

www.TopekaGMS.org **Come and check us out!**

Lessons At The Barn

Lessons at the Barn will be every Tuesday from 6 – 9 p.m. unless there is bad weather. Watch your email for notice of cancellation if there is storm on the way.

Stone cutting, Polishing, Silversmithing, Casting (weather permitting) & wire wrapping
We have stones you can purchase to cut & polish, supplies for silversmithing, casting and wire wrap you will need to furnish or talk to Dave or Mike.

Again this year there will be a donation jar but the lessons are free to members.

Email for directions: rock2plate@aol.com david5124@aol.com mcote35@yahoo.com

Show Dates:

- July 8-10 Durango, CO. Four Corners Gem & Mineral Club, La Plata CO. Fairgrounds, 2500 Main Ave, e-mail: durangorocks.org
- July 9-10 Tulsa, OK. Tulsa Rock & Mineral Society, Tulsa Fairgrounds-Exchanges Center 4145 E. 21st St e-mail: m_rongey@sbcglobal.net
- Sep 23-25 Tri-State Gem & Mineral, Free Admission, joplinmuseum.org@sbcglobal.net or 417-623-1180

For additional listings of gem shows see: www.rockngem.com

Field Trip –Leslie Hartman

Due to the warm weather, we are going to have an inside field trip which will be at the Kansas Museum of History of Topeka. This field trip will cover both inside field trip and Stone Age class for those Junior Rockhounds who needs one or both for the field trip badge.

We will visit the Early People Exhibit: Explore the stories of American Indians—the Kansa, Osage, Pawnee, and other native tribes.

We will meet at the museum at 10:00am on Saturday June 25th. The museum address is 6425 SW 6th Ave, Topeka, KS 66615. This field trip is for everyone so hope to see all of you there.

TOPEKA JUNIOR ROCKHOUNDS

The Facebook page for the Topeka Junior Rockhounds also has a new website page.

Take a look and place a 'LIKE' on it.

<https://www.facebook.com/TopekaGMSJuniorRockhounds>

To register for the Junior Rockhounds or any of the classes, email: Leslie Hartman at: Hartman.12345@hotmail.com

There will not be a Junior Rockhound Meeting in the month of July, 2016.

There will be a Leader Meeting at the Topeka Shawnee County Public Library on July 7th room 206, to go over plans for the Rockhounds.

Junior Rockhound Activity Center

No General Meeting at Washburn– For the Months of June July & August. The next scheduled meeting is August 4th at the TSCPL room 101A.



Publicity

We are going into summer with a lot to do to get ready for our October 15-16, 2016 show. There is always more to do. Publicity met most recently on June 9 at 7 pm. at St. Peter's U.M.C. We had 7 members attending. We discussed where we were in our lists of people we are approaching, Leslie reported that she went to Allstate and Washburn University and both sent samples to show our group. They will order more of these promotional products to be picked up closer to the show date. Jo has meetings scheduled with Corporate Casey's, Golf Course in Ozawkie, Rebecca's, and Colgate-Palmolive in Kansas City.

Millie reported receiving cash donations of \$663.88 or we are 10136.36 or so, from our \$1700 goal. We received \$75.00 from Reinert Wealth Management, \$70.00 from Jo Ussery's work and \$250.00 from a private donation from club members Rhonda and Russ Miller. Who can match that? Thank you to Reinert Wealth Management, Jo, the Millers and any others who have helped bulk up our cash donations.

Donna, May, and Francis met with Kelly Hewins from Lamar Advertising a couple of weeks ago and we locked in our billboards that will go up on Sept.19. She sent 3 possible designs and of all the committee who have seen them, everyone prefers the 3rd design. We have time to ask for more possibilities before our Sept. 1 deadline to make changes.

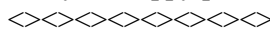
Also in discussion are T-Shirts. We discussed light blue, black and purple T-Shirts but will bring some decisions to you soon. The plan is to take orders at a picnic event at Millie's but may need to call or e-mail everyone for their orders.

We discussed, but didn't come to any decisions concerning a special money raiser such as an extra public auction, garage sale, baked goods sale, etc. for some weekend in July or August. Any one already planning a garage sale, are asked to put out a jar and some flyers to ask for donations toward our billboard goal.

Our committee will check out what Hamm's Quarries has to offer as possible field trip possibilities.

Keep the momentum going friends. We will make this work!

Donna, your happy publicist.



BARBARA SKY

A member of many rock clubs including TGMS

Since she lives in Winchester Mo, she is a member of the Midwest Federation. She is also a committee member on the Uniform Rules Committee with the AFMS and the Chair for the MWF as Uniform Rules and judges at many federation shows. You may see her at our annual show, the Kansas City show, and often at the Denver Show in September (which she often judges displays there).

She enjoys making gem trees and often exhibits her collection of carved pigs with a slab and/or sample rock that the pig is made from.

Last year I know she judged the federation show in Austin TX, the year before in Tulsa OK – she gets around!

(Information from Cinda Kunkler; picture from FaceBook Roy Hurlburt page)



Volunteering is the heart  beat of YOUR club

Event Calendar

June 2016

| | |
|-----|--|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13M | |
| 14T | Lessons at the Barn- 6-9 p.m. |
| 15W | |
| 16T | Wire Wrap Class at Millie's 1-3 p.m. |
| 17F | |
| 18S | |
| 19S | |
| 20M | |
| 21T | Lessons at the Barn- 6-9 p.m. |
| 22W | |
| 23T | Wire Wrap Class at Millie's 1-3 p.m. |
| 24F | Club Picnic at Millie's. 1934 SW 30 th St Potluck, 6:30 p.m. |
| 25S | Field Trip-Kansas Museum of History, 6425 SW 6th Ave, Topeka, 10 a.m. |
| 26S | |
| 27M | |
| 28T | Lessons at the Barn- 6-9 p.m. |
| 29W | |
| 30T | Wire Wrap Class at Millie's 1-3 p.m. |
| 31F | |

July 2016

| | |
|-----|--|
| 1F | |
| 2S | |
| 3S | |
| 4M | |
| 5T | Lessons at the Barn- 6-9 p.m. |
| 6W | |
| 7T | Jr Rockhound Leader Mtg 6 p.m. TSCPL room 206 NO Wire Wrap Class at Millie's |
| 8F | |
| 9S | |
| 10S | |
| 11M | |
| 12T | Lessons at the Barn- 6-9 p.m. |
| 13W | |
| 14T | Wire Wrap Class at Millie's 1-3 p.m. |
| 15F | |
| 16S | |
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| 29F | |
| 30S | |
| 31S | |

Any questions, contact Millie at rock2plate@aol.com or 785-267-2849

How do you say that? “Psilomelane”

Silo-melane? Pasi-lomelane? Who knows...

However you say it, psilomelane is manganese oxide containing barium and potassium. It looks similar to hematite and polishes up beautifully.

Unlike when working with hematite it is a good idea to be careful (gloves and dust mask), especially if grinding, because its barium content can make it slightly toxic. Its name is from the greek meaning “smooth” and “black”. It is an important ore of manganese with large deposits in England, and in Vermont, Virginia, and Arkansas. The specimens below came from the OMGS field trip to New Mexico around the Deming area. (Source: OMGS The Sooner Rockologist May2016)



Picture by Jami Poor



5-27-16 general meeting TGMS



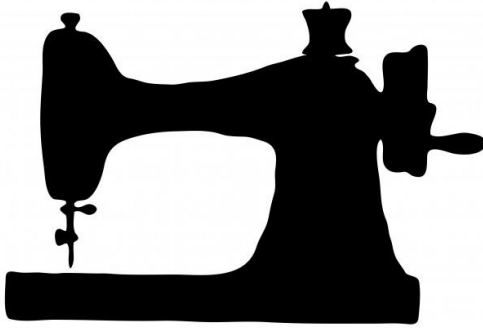
Jr Rockhound learning stone polishing



Junior Rockhound Meeting



Oil Up You Sewing Machines!

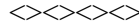


We need to make more grab bags for our show.

We need people that can use an iron, use scissors to cut yarn, that can bring their sewing machines to sew, and others to help out turning bags and keeping the rest of us in supplies.

In August at the picnic we always stuff the bags to get them all ready for the show. Right now I am planning on June 25th at 1 p.m. at my house for the sew day. The address is 1934 SW 30th St. Please call or email me if you can make it. If you can bring you iron as well as your sewing machine it will

help. I can make enough pads to use as ironing boards. In the past even the men in our club have joined us to help out. We hope this year will be no different as we have a lot of bags to make in a short time. Millie Mowry



Nifty Rock Hound Bumper Sticker Slogans:

Submitted by Bob Livingston

Love a Geologist – feel your earthquake.

Love a Faceter – they're a cut above the rest.

Love a Mineralogist – but don't take them for Granite.

Love a Beader – but they'll string you along.

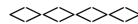
Love a Paleontologist – but be aware. They collect old dead things.

I collect rocks too! Diamonds, rubies, topaz, emeralds...

Amateur Paleontologist – Professional Rock Collector

Amateur Mineralogist – Professional Rock Collector

Via Carney Hound 5/16; The Rock-It 4/16; Wichita Gem & Mineral Society, Inc Quarry Quips,
THE CLACKAMETTE GEM



HISTORY OF METALLIC MINING IN WISCONSIN - ZINC MINING

by Bear Devitt

At the same time that lead mining was on the decline in Wisconsin, interest in zinc was on the rise. Zinc ores (ZnS and ZnCO₃) had originally been encountered while lead mining, but the sphalerite and smithsonite (dry bone) were seen as a nuisance and cast off as waste. Zinc was generally found deeper than lead, usually below the water table, and mining costs out-weighed its worth. Zinc ores also required a much more complicated and expensive refining process than lead. Years later, it was discovered that these by-products of lead mining were very rich in metallic zinc. A market capable of supporting zinc mining in Wisconsin appeared when a new refining process was developed (1860*s) and smelters opened in LaSalle, Illinois and Mineral Point, Wisconsin.

During the early zinc mining era (1850s-1860s), only the topmost layers, the carbonate ores, could be mined. A common method was to buy up old lead mines, clean out castoff zinc, and then mine deeper for more. The Platteville Lead & Zinc Company, later known as the Enterprise, became one of the foremost mines in the region through this technique. The Vinegar Hill Zinc Company followed the same course The Merry Christmas Mine (Mineral Point), the Eagle-Pitcher Mine (Shullsburg), and many other smaller mines were also in operation. By the 1870*s, Wisconsin zinc production far exceeded that of lead. In role reversal, lead became the by-product of zinc mining. In 1891, Mineral Point Zinc Company (later the New Jersey Zinc Co) had the largest zinc oxide and sulfuric acid facility in the U.S. The Mineral Point Railroad was built specifically to haul iron ore from mine to processing.

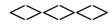
Higher zinc prices by 1900 allowed for deeper and more sophisticated mining techniques. Machines replaced hand labor, and engines replaced horses to drive the pumps. Mills were built to crush and separate ore. The 1st zinc ore roaster was built at the Enterprise in Platteville. A separation plant was built by American Zinc, Lead and Smelting Company (Platteville), also in 1907, but was destroyed by fire in 1911 and never rebuilt. Over time, improvements in refining process required a higher grade of ore than many Wisconsin mines could provide. Wisconsin*s zinc production peaked in 1917, when over 59,000 tons of ore were mined. Zinc mining slowly tapered off through the 1930*s. Wisconsin*s last zinc mine, the Eagle-Pitcher Mine in Shullsburg, closed in 1979.

(from THE TRILOBITE Dec 08, via Stoney Stmts Jan 09)

Zinc (pronounced /z..k/, from German: Zink) is a metallic chemical element with the symbol Zn and atomic number 30. Although zinc was used in the copper-zinc alloy brass since Roman times, and the metal was produced in large scale in India around 1200 AD, the pure metal was unknown to Europe until the end of the 16th century. Industrial-scale production in Europe had not started until the late 18th century. Corrosion-resistant zinc plating of steel is the major

application for zinc. Other applications are in batteries and alloys, such as brass. Sphalerite, a zinc sulfide, is the most important zinc ore. Zinc production includes roasting, leaching and, at the end, pyrometallurgic winning or electrowinning.

(Source: Stoney Stmts, Jan 09)



RED JASPER

Red Jasper...(brick red, can include brecciated jasper which has hematite within it) is gently energizing while it grounds and helps with unjust situations.

It supports in times of stress and brings problems to light before they get too big to handle.

It makes a great worry stone calming emotions when stroked and held. Placed under a pillow it helps with good dreams and dream recall, it can cleanse and stabilize your auras and chakras.

Physically, it is a stone of good health, and strengthens and detoxifies the blood system and liver.



KYANITE

Kyanite is a stone of calm and centering, sometimes used to encourage vivid dreams, dream recall, and restful sleep, as it protects you as you sleep. It encourages loyalty, honesty and tranquility, and diminishes anger and confusion.

Kyanite will not retain negative energy and never needs energetic cleansing. It can align and balance all chakras, if desired. It can also remove energy blockages when you feel stuck.

Physically, it treats the urinary system, adrenal glands and parathyroid glands.

It heals trouble in and with the throat, brain and muscular system, infections and lowers blood pressure and is a natural pain reliever. Blue kyanite is associated with the throat chakra and is a helper with meditation.

Green Kyanite is good for balancing the heart chakra and maintaining heart balance. It is also used to reduce anger with calm. Blended together they make a wonderful energy.



LABRADORITE

Labradorite...(olive green with rainbows in it like an oil slick) is a highly protective stone.

It can deflect unwanted energies and form a barrier to negative energy.

This one stimulates intuition and psychic gifts, bringing messages from the unconscious mind to the surface and helping to clarify their understanding. It strengthens faith in yourself, banishes fears and insecurities.

This is an excellent dispeller of illusion and helps you see the truth behind thoughts and actions, while calming the overactive mind.

It allows for new positive thoughts and ideas, showing their true meanings, and if you're going through some change, it gives you strength and perseverance. Physically, it helps with eye troubles and the brain.

It is a great stress reducer, can treat colds, gout, rheumatism, relieves menstrual tension and lowers blood pressure. (it gets harder and harder to find good flashy labradorite)

(Source Rockytier March & April 2016 <http://www.crystalpaths.com/>)

