

Fort Worth Gem and Mineral Club

Meetings held every 4th Tuesday @ 3545 Bryan Avenue, Fort Worth, TX 76110

The Cowtown Cutter



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Special Announcements:

Shop open Thursday nights & Sat. July 25th.

Saturday, July 25th noon to 3ish – Wire wrapping class. Email fwgmc.editor@gmail.com by July 23rd if you are interested.

July 28th meeting will be an ice cream social with show and tell. Bring a hobby related item to talk about at the meeting. Something you found or made. Ice cream will be provided. Bring toppings, cookies, fruit...

This newsletter is distributed the 3rd week of each month. Send articles, announcements, & editorial corrections by the 2nd Tuesday of the month to:

Janice Craddock

fwgmc.editor@gmail.com

Events

July 25-26 Dallas CERA Show at Brookhaven College 3939 Valley View Ln., Farmers Branch TX. Sat 10-6; Sun 10-5; Free Admission, Free Parking; More than 25 vendors. Rocks, gems, fossils, mineral specimens, rough, cabochons, spheres, hand knapped flint knives, stained glass, fused glass jewelry, handmade jewelry.
steve.l.shearin@lmra.com

Aug 15-16, Bossier City, LA. Ark-LA-Tex Gem & Mineral Society, Bossier City Civic Center.

Aug 22-23, Jasper, Tx. Pine Country Gem & Mineral Society. Events Center. Adults \$3. Demonstrations, exhibitions, door prizes, silent auction, mining sluice, and spinning wheel. Grand Prize is a 102 lbs. Amethyst Geode.

The Pine Country Gem and Mineral Society invites you to join us in an excursion collecting petrified wood. In conjunction with their annual show (August 24th and 25th), PCGMS has arranged for a field trip to the Lake Sam Rayburn area where petrified wood is in abundance. The number of participants will be limited to 20 individuals, so sign up early to reserve your spot. All participants must be a member of a club affiliated with the SCFMS. The fee is \$ 25 per person.
<http://www.pinecountry-gms.org/files/documents/PCGMS-FIELD-TRIP-2013.pdf>

Aug 22-23—MOUNTAIN HOME, ARKANSAS: Annual show; Ozark Earth Science Gem, Mineral, & Fossil Club, Baxter county Fairgrounds, (Educational Bldg.); 1507 Fairgrounds Drive; Sat. 9 am-6 pm, Sun. 9 am-4 pm; Adults \$2.; The Ozark Earth Science Gem, Mineral, & Fossil Club is sponsoring its annual show this year at our NEW LOCATION at the Baxter County Fairgrounds. FREE admission for active military with ID, Scouts in uniform, & children under 12 yrs. Gems,

Minerals, Fossils, unique mineral jewelry & crafts, games, geode cracking, free hourly door prizes, a grand prize drawing, displays, Arkansas State Geologist for mineral/fossil information, DVD educational programs, concession will be on site and provided by the Clarkridge Fire Dept. ; contact Sharon Waddell, MO, (417) 274-8712; Web site: www.ozarkearthscience.org

October 23-25 – Austin, TX American Federation and South Central Federation conventions and show in conjunction with Austin's Gem and Mineral Society's annual show, Gem Capers.

Included in the weekend are meetings, judging, talks, and field trips as well as the annual meeting of A.L.A.A. (American Lands Access Association) and S.C.R.I.B.E. (Special Congress Representing Involved Bulletin Editors). These organizations' activities will begin on Wednesday, October 21. The talks will be open to the public for the price of admission and will include topics such as Central Texas pegmatites, mineral preparation, and North American Diamond mining by Charles Kirkpatrick. Please see the Gem Capers website for a detailed schedule <www.gemcapers.com>.



Field Trip Report

We had two groups head to Sherman to hunt sharks' teeth this month. Eight turned out for the first weekend. The weather was actually not too hot and the water was not very high. (Some were worried about the water level because of the reports of flood at Lake Texasoma and that they were opening the dam for releasing more water due to all the recent rain.) The creek had changed a lot after all the rain, some of the gravel beds and banks had been eroded. The water had mixed things up nicely and we found quite a few sharks teeth just sitting in the mud by the side of the creek.

Submitted by Felice, field trip chair

The second group of four had a good hunt also. The weather was hot but the water was cool.



This is a great spot for the hotter weather and Felice is scheduling another trip later in August. Watch for more details in email.

President's Note *from Carl:*

Summer is on us, good time for ice cream so our next meeting will be an ice cream social. Club will provide the ice cream; bring your favorite items to compliment -- toppings, cookies, cake, etc.

Looking at pictures on our website I see lots of activities at the club. Looks like some really nice projects made in the glass class that was recently held. There will be a wire wrapping class in June. I'm thinking about holding flint knapping classes when the weather cools off. I plan to start with pressure flaking on obsidian slabs at first. This is easier for beginners, takes minimal tools (handmade) and you can produce an arrowhead on your first attempt (most of the time!). We can discuss at our next meeting. Attendance at meetings continues to be good, please mark the date on your calendar and try to not miss all the fun. See you at the meeting.

Carl Silvey

Minutes *from Dora:*

Meeting called to order by President, Carl Silvey at 7:35 p. m.

New members/guests: Welcome to Kay Lamb and Cerena Fain.

Minutes from May: Mary moved to approve, Janice seconded motion, approved.

Treasurer's report provided by Sky.

Show report: Steve reports that we had a good crowd, there were no complaints, and it seems to have gone better without the gun show which had been scheduled for a different weekend.

Field trip: The trip to Sherman was good.

Irene asked if we might work up an outing to Waco as they have a fossil pit, a Mammoth Museum and the Mayborn Museum.

Shop talk: There will be a lapidary class this Thursday night. Saturday will be the first “crafting day” from 10 – 3. The 30” saw will need to be worked on in the afternoon. Glass classes will start on July 12th. **Wire wrapping classes on temporary hold due to illness.

Drawing: Carl purchased a jar of peach preserves in Fredericksburg for a door prize.

White ticket: Cerena Fain. Red tickets (4): 2 won by Hope, 2 won by Sky.

Programs: July will be an ice cream social with “show and tell”. Bring a favorite rock or fossil, etc. to show and/or ask about. In August we will have a speaker. [Note: As of 07-13-15 we have a geology teacher named Herb Hudgens scheduled to talk about the Grand Canyon].

New business: None.

Program: Mary & Steve showed a film entitled the “Incredible Journey of the Butterflies”; previously shown on PBS’ Nova and at the Omni. Program details the formation from the caterpillar stage to the development of the chrysalis to the maturation of the butterfly. It follows the migration of the butterflies from Canada to the same place in Mexico each year. They stay about 5 months and then return north,

Meeting adjourned 8:50 p. m.

Respectfully submitted,

Dora M. Hale, secretary



July:

02-Joyce Griffiths
09-Mary Hilliard
09-Brenda Bullock
11-Kim McClasky
15-Glenn Hilliard
22-Kelsey Harrison
23-Adeline Collins
28-Felice Moreno
28-John Stagle

Aug:

03-Paul Harrison
13-Deborah Hartz
18-Gorge Kennedy
19-Jen Malloy
20-Donna Pelikan
26-Deb o'Donnell
28-Janie Stach



Cerena Fain

YOU ALWAYS 'MEASURE' UP!

Recipe for Success

Take 11 volunteers.
Mix gently in the library.
Marinate with creativity,
dedication and kindness.
Let simmer.
Sprinkle with laughter and enthusiasm!

Borrowed from SCFMS Newsletter, July –Aug 2015

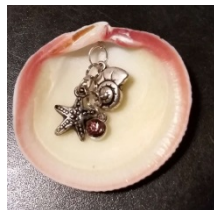
Club News *from Janice*

Summer continues to be a busy time at the clubhouse. We have had lots of activities going on and would love to see you there.



We have had a couple of classes introducing members to stained glass. It has been a big hit. The new work tables have been really nice giving everyone room to spread out to work.

At our June Saturday open shop day we held a crafting day with a beach theme. Members came together to share tips and techniques in wire wrapping and jewelry making.



Some of the projects that we made



Janice and power tools; probably not a good combination!



Alayna and David spent some time cleaning out the 30" saw. David has been keeping

the saws busy cutting rough.

Beginning lapidary class for new members continues this month. We have five new members going through the class. In addition, we have had good turnouts on Thursday nights in the cab room.



Saturday, July 25th will be our Saturday open shop day this month. Shop will open noon to 5pm.

Beginning Wire Wrapping class starts Saturday, July 25th at noon. It will run for three Saturdays, (July 25th, Aug 1st and third date tbd). A supply list will be emailed. Notify me (fwgmc.editor@gmail.com) by Thursday, July 23rd if you are interested in the class.

Articles

FOURTH OF JULY FIREWORKS DEPEND UPON MINERALS

Women in Mining Education Foundation via Rockhound Ramblings, Pasadena, CA July 2015

As the nation gets ready to celebrate the 239th anniversary of its Declaration of Independence on July 4, take a moment to consider the minerals that make fireworks such a spectacular part of the festivities. Each color in a fireworks display is produced by a specific mineral compound: Bright greens are made with barium. Deep reds are a product of strontium. Blues come from copper. Yellows require sodium. More colors can be created by mixing compounds. Strontium and sodium together produce a brilliant orange. Titanium, zirconium and magnesium alloys combine to make a silvery white. Copper and strontium mix to yield a lavender.

Certain minerals are used for special effects. Iron filings and small particles of charcoal produce gold sparks. If you want a loud flash, fine aluminum powder is the fuel to choose. Larger particles, such as small flakes or granules, give a longer, shower-like effect. Magnalium, a magnesium-aluminum alloy, can produce a tiny series of silvery-white flashes. Aluminum, antimony sulfide and perchlorate are some flash mixtures. Although fireworks date back to ancient China, they continue to grow in popularity. Just in the past decade, their use has doubled to nearly 30,000 short tons per year. Of this amount, consumers buy two-thirds. The remainder go for fireworks displays.

The role of minerals in fireworks is just one example of society's growing reliance upon minerals for the manufacture of everything from automobiles to toothpaste. During the lifetime of the average American, he or she will use: 3,600 pounds of aluminum, 800 pounds of lead, 730 pounds of zinc, 1,500 pounds of copper, 27,000 pounds of clay 25,000 pounds of salt, 35,000 pounds of iron and nearly 1 million pounds of stone, sand, gravel, and cement. "As you can clearly see," says U.S. Bureau of Mines Director T. S. Ary, "our personal independence relies on mineral dependence".

Jasper

One of the common sedimentary rocks which are popular for lapidary use is jasper. Jasper is an opaque variety of [Chalcedony](#), and is usually associated with brown, yellow, or reddish colors, but may be used to describe other opaque colors of Chalcedony such as dark or mottled green, orange, and black. Jasper is almost always multicolored, with unique color patterns and habits.

The appeal of Jasper is its interesting color patterns and formations. Though it can be a solid color, it is most often mottled, spotted, ringed, or striped. Each Jasper has a unique color or pattern, lending this gemstone much variety. Jasper is an ancient gemstone, and is mentioned in the bible and other classical sources. Though fairly common and affordable today, Jasper in antiquity was regarded as a valuable stone.

Jasper is generally an inexpensive gemstone when used in jewelry. It is cut and [polished](#) into [cabochons](#), and used as beads for necklaces and bracelets. It is also carved into [cameos](#) which can be worn as pendants.

Jasper has an over-abundance of variety names. Some variety names are generally used by collectors and dealers, but there are many made up by dealers to describe a locality or other habit. The varieties below are the well-known names or varieties that are commonly encountered. Seldom-used and localized trade names are not described here:

- [Agate Jasper](#) - Opaque multicolored [Jasper](#), or Jasper with [banding](#); may also refer to a single stone with a combination of both [Agate](#) and Jasper.
- [Biggs Jasper](#) - Jasper from Biggs Junction, Oregon, with varying light and dark color brown bands and pretty formations.
- [Brecciated Jasper](#) - Jasper in rounded fragments naturally cemented together in a gray material; appears similar to [breccia](#).
- [Bruneau Jasper](#) - Jasper from Bruneau Canyon, in Owyhee County, Idaho, with distinctive brown, cream, (and sometimes even red or green) banding and patterns.
- [Cave Creek Jasper](#) - Reddish Jasper found near Cave Creek in Maricopa County, Arizona.

- **Deschutes Jasper** - Jasper from a deposit slightly east of Biggs Junction, Oregon, near the Deschutes River, with good banding and interesting color formations.
- **Egyptian Jasper** - Form of **Orbicular Jasper** with white and gray circles on a red background. It is found as rounded pebbles on the beaches of Egypt. A similar Jasper is found on the beaches of Washington state and sometimes also labelled as Egyptian Jasper.
- **Green Jasper** - Jasper with a light to dark green color. Green Jasper differs from Prase and Plasma since it is fully opaque.
- **Jaspilite** - Banded rock that is a mixture of Hematite and Jasper.
- **Kinradite** - Orbicular Jasper with concentric rings of colorless or white Quartz. Occasionally used as a synonym of Jasper.
- **Leopard Jasper** - Form of Orbicular Jasper with tan color rings, appearing similar to the spots of a leopard.
- **Morgan Hill Jasper** - Jasper from Morgan Hill, California, with small reddish and yellow "poppy" formations. Also synonymous with "Poppy Jasper".
- **Morrisonite** - Multicolored Jasper from the Owyhee River gorge in Malheur Co., Oregon.
- **Moss Jasper** - Form of Jasper or Chalcedony containing dense inclusions of green Hornblende that cause the pattern to resemble moss. Often used as a synonym for Moss Agate, though Moss Agate is translucent whereas Moss Jasper is opaque.
- **Ocean Jasper** - Form of Orbicular Jasper found on the coast of Madagascar with small, tight, concentric ring formations.
- **Opal Jasper** - Form of Brecciated Jasper in which the cementing material is Opal.
- **Orbicular Jasper** - Jasper with rounded concentric rings throughout.
- **Owyhee Jasper** - Form of Jasper with scenic picture formations found near the Owyhee River in Oregon.
- **Picture Jasper** - Form of Jasper with scenic picture-like formations.
- **Poppy Jasper** - Form of yellow Orbicular Jasper with red concentric rings.

- **Riband Jasper** - Jasper with banded stripes, usually dark red, brown, yellow, or white bands.
- **Ribbon Jasper** - Form of Banded Jasper with thin banded lines.
- **Rogueite** - Green form of Jasper from the Rogue River in Oregon.
- **Russian Jasper** - Jasper from Russia usually with reddish spots.
- **Stone Canyon Jasper** - Yellowish Brecciated Jasper from Stone Canyon (near San Miguel), California.
- **Wascoite** - Jasper from Wasco Co., Oregon, with irregular yellow, pink, and red concentric bands.
- **Zebra Jasper** - Dark brown Jasper with light brown to white colored banding streaks

Most Jasper is natural and not treated or enhanced, although occasionally it is dyed. Jasper is common and found worldwide. Important deposits exist in India, Russia, Kazakhstan, Indonesia, Egypt, Madagascar, Australia, Brazil, Venezuela, Uruguay and the United States (Oregon, Idaho, Washington, California, Arizona, Utah, Arkansas, and Texas).

Jasper is distinguished from other Chalcedony varieties such as Agate and Carnelian by its opacity. The unique color patterns (combined with hardness) can distinguish Jasper from all other gemstones.

Source:

http://www.minerals.net/gemstone/jasper_gemstone
via The Rock Prattle, July 2015



Biggs Jasper



Cherry Creek Jasper



Ocean Jasper



Red, Black & White Jasper

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The Fort Worth Gem and Mineral Club was founded in 1950. It is also a member of the [American Federation of Mineralogical Societies](#) and the [South Central Federation of Mineralogical Societies](#).

PURPOSE: The purpose of this club is to promote the study of geology, mineralogy, and the lapidary arts. We also strive to stimulate the interest in the searching, and collecting, of minerals and fossils.

MEMBERSHIP: Membership shall be open to anyone interested in the purpose described above.

DUES: \$15.00 per person, per year. \$20.00 per family, per year.

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CLUB WEBSITE: www.fortworthgemandmineralclub.org