



# CGMG News

Publication of **Cowtown Gem, Mineral, & Glass Club**  
Member of Corporate Employee Recreation Association  
3300 Bryant Irvin Road, Fort Worth, TX 76109  
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## Commissioner's Report

Hello All,

Another month of general seclusion has passed but I see online that many of you are keeping busy with projects! While we still cannot schedule meetings or trips I am happy to report the club Shop is now open for members to use (you must access it through the main entrance to CERA). Social distancing is required and there are restrictions on how many folks can be in any one area of the shop. I hope we are back up and running soon. Until then play safe and have fun!

*Steve*

## Classes

Although the club has reopened we cannot restart classes. The limits on the amount of people allowed in the club do not allow enough people to let classes restart. The current plan is to replan the classes that were scheduled during the shutdown when we are allowed enough people into the club at one time to support the classes. The club members who have already paid will be included into the new classes as paid students. We need to be able to have 6 people in the club to support most of the classes. As soon as the club requirements allow classes I will begin planning them. Sorry this has taken so long, but I was hoping that the plan for opening would at least support our class sizes and it did not. Hopefully the next phase will have better news soon.

*Brad*

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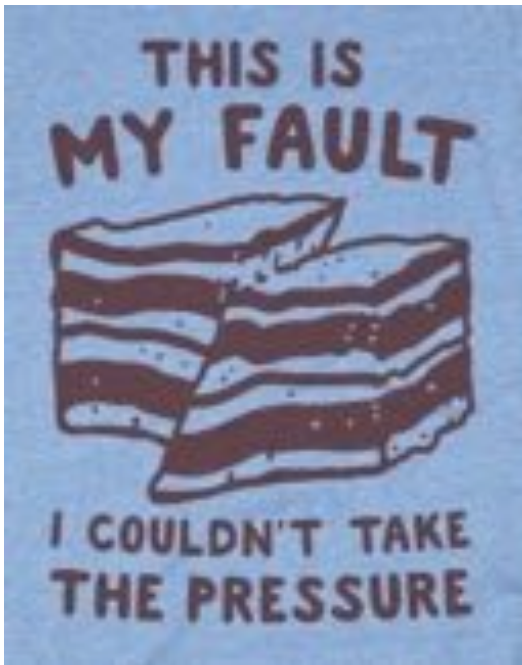
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### **The Purpose of the Cowtown Gem Mineral & Glass Activity**

is to promote a spirit of fellowship among members  
and to promote popular interest and education  
in certain arts and the various earth sciences,  
in particular, those facets dealing with the arts of  
lapidaries, metals, glass, and jewelry and the sciences  
of minerals paleontology, geology, and archeology.



# Faults

A fault is a fracture, or break, in the Earth's crust (lithosphere). Some faults are active. Here, sections of rock move past each other. This sometimes makes earthquakes.

Faulting occurs when shear stress on a rock overcomes the forces which hold it together. The fracture itself is called a fault plane. When it is exposed at the Earth's surface, it may form a cliff or steep slope called a fault scarp.

The angle between the fault plane and an imaginary horizontal plane is called the dip angle of the fault. Faults may dip shallowly or steeply.

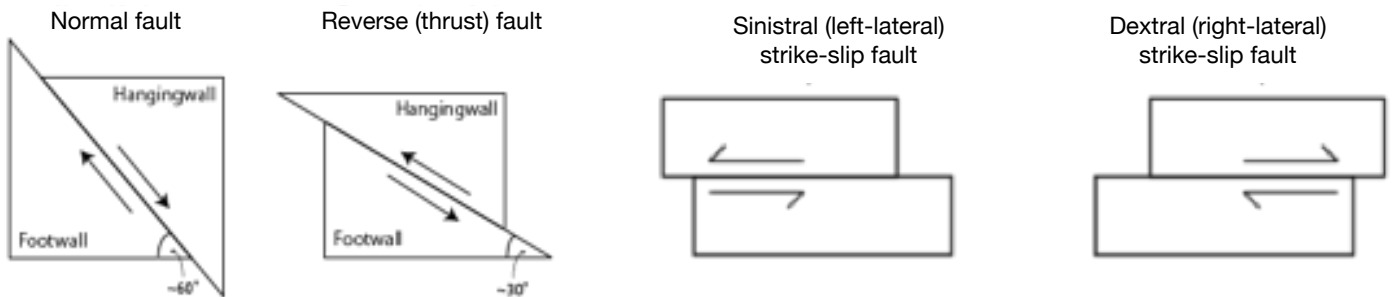
Faults are categorized into three types:

1 A normal fault is one where the fault dips toward the downthrown block. Normal faults occur in rifted terranes, such as Mid-Ocean Ridges, the African Rift, and the Basin and Range Province of western North America. It is shown on geologic maps as a black line with either a block pattern on the

downthrown side, or the letters U/D showing the upthrown and downthrown sides.

2 A reverse fault (if steeply dipping) or thrust fault (if shallowly dipping) is a fault where the fault plane dips toward the upthrown block. It is shown on the geologic map with triangular teeth pointing toward the upthrown side of the fault. Reverse and thrust faults shorten (horizontally) and thicken the crust. They are characteristic of collision origins.

3 A transform (oceanic) or strike-slip (continental) fault is one where the relative motion is horizontal. The fault plane is usually vertical and can be horizontal. Famous examples of these include the San Andreas Fault of California, the Alpine Fault of New Zealand's south island.



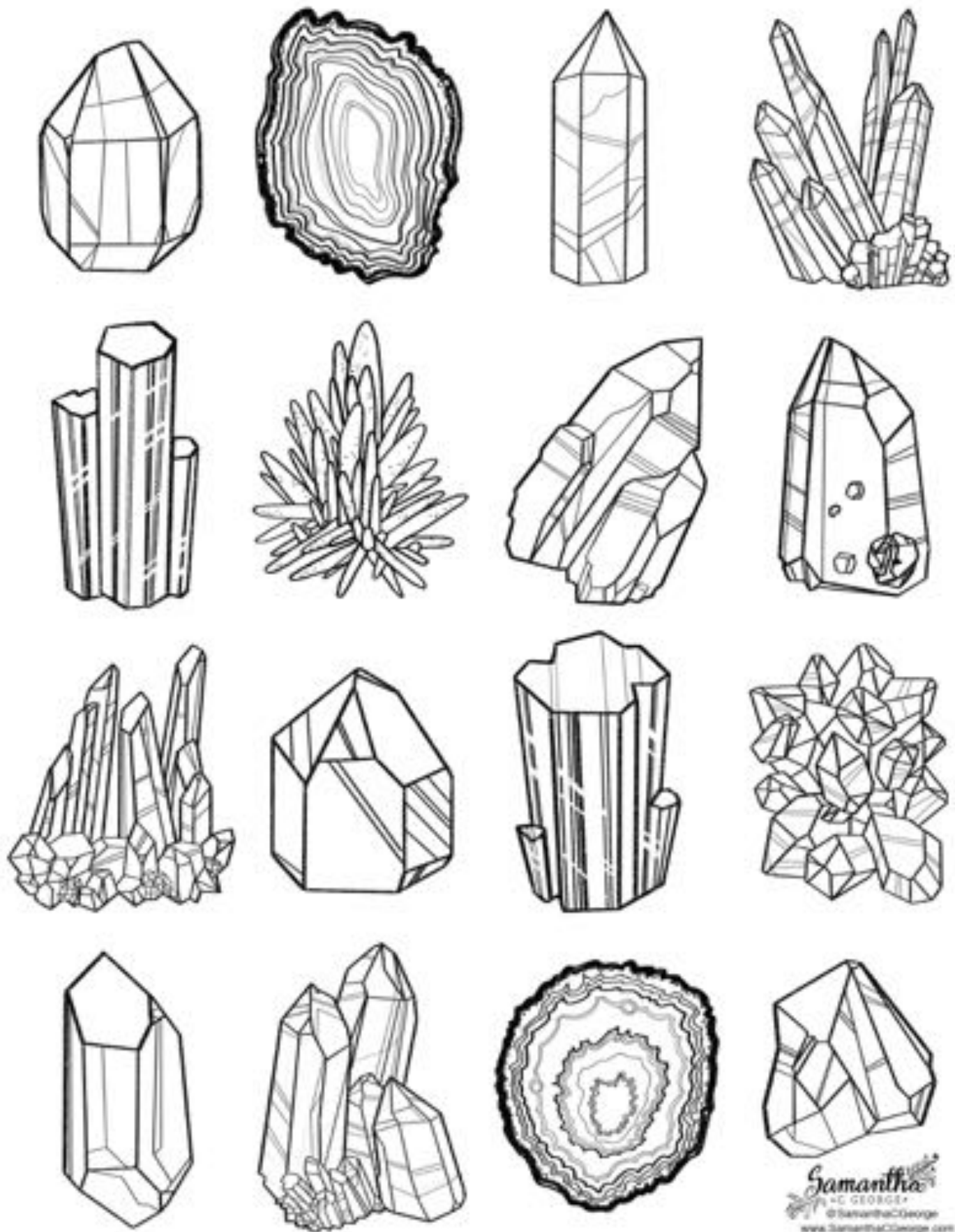
## Glass Shop News

As the shop reopens remember to use the calendar to reserve your kiln time.

If you are looking to use glass stringers (very thin glass rods) in your fusing project, you can bend them by melting the stringers using a Sterno

burner or Swiss fire gel, it burns hot enough to melt the glass without leaving any black marks. This allows you to bend and stretch the stringer into the desired shape.

*Felice*



## Web and Email Addresses

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

[CowtownGMG/](https://www.facebook.com/groups/CowtownGMG/)

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### Oldest Fossil Forest in Asia Discovered

Trees found in clay quarry walls existed between 359m and 419m years ago, has been discovered by scientists. Dating back to the Devonian period, the era known as the age of fishes, it was found in the walls of clay quarries in China, near the town of Xinhang, in the country's Anhui province. It is made up of 250,000 square metres of fossilized lycopsid trees, an area as big as 35 football pitches. Researchers said it is the largest example of a Devonian forest to ever be discovered. Two others have been found, in the US and in Norway. The latest discovery is the oldest example of a forest in Asia. The trees which can be seen in the walls of the Jianchuan and Yongchuan clay quarries have branchless trunks and leafy crowns, similar to a modern day palm tree. Scientist believe the trees grew in coastal environments prone to flooding. "It might also be that the Xinhang lycopsid forest was much like the mangroves along the coast, since they occur in a similar environment and play comparable ecologic roles," said Deming Wang, a professor in the School of Earth and Space Sciences at Peking University. Scientists found the trees above and below a 4m thick sandstone bed, within the quarries



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## GEM & MINERAL AND BEAD SHOWS

August 2020

**1-2—LUBBOCK, TEXAS:** Annual show; Lubbock Gem and Mineral Society; Lubbock Memorial Civic Center, 1501 Mac Davis Lane; Sat. 10-6, Sun. 10-5; Adults \$4, seniors \$3, children age 6-12 \$2, and free admission for children age 5 and under; Website: [www.lubbockgemandmineral.org](http://www.lubbockgemandmineral.org)

**29-30—FORT WORTH, TEXAS:** Annual show; Fort Worth Gem and Mineral Club; Will Rogers Memorial Center, 3401 Lancaster; Sat. 10-5, Sun. 10-4; Adults \$6, military, seniors and students \$5, free admission for children 12 and under; contact Janice Craddock, P.O. Box 123975, Fort Worth, TX 76121-3975; Email: [fwgmc.info@gmail.com](mailto:fwgmc.info@gmail.com); Website: [fortworthgemandmineralshow.org](http://fortworthgemandmineralshow.org)

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## AREA CLUBS

**Fort Worth Gem & Mineral Club,** 3545 Bryan Ave, Fort Worth, TX; forth Tuesday of the month at 7:30.

**Arlington Gem & Mineral Club,** 1408 Gibbins, Arlington, TX; first Tuesday of the month at 7:30.

**Dallas Gem & Mineral Society,**

American Legion Hall, Suite 105, 10205 Plano Road, Dallas, TX; third Tuesday of month at 7:00.

**Dallas Paleontological Society,** Brookhaven Geotechnology Institute, 3939 Valley View Lane; second Wednesday of the month at 7:30.

**Oak Cliff Gem & Mineral Society,** Unitarian Universalist Church, 3839 W.

Keist, Dallas, TX 75233, Fourth Tuesday of month . at 7:00.

**Dallas Bead Society,** The Point at CC Young, 4847 W. Lather Dr., Dallas, TX; first Saturday of month at 10:00.

**Pleasant Oaks Gem & Mineral Club,** Garland Women's Activities Bldg, 713 Austin, Garland, TX; first Tuesday of month at 7:30.