



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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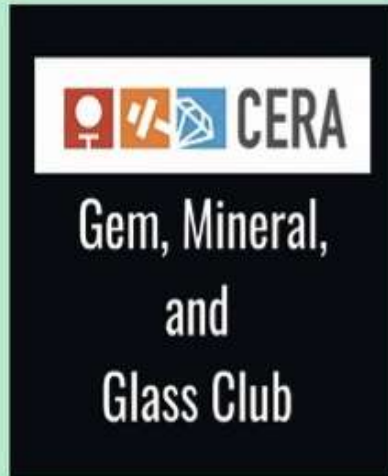
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**Tuesday, October 8
7pm**

**3300 Bryant Irvin Rd.
Fort Worth, TX 76109**

**Guest Speaker
Tom Reddick**

UK Fluorite: A Brief History

**An overview describing
the geologic history of
Weardale, England,
including photos of
historic fluorite
specimens and recent
discoveries.**



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.

President's Letter

Fall is here! I'm loving the cooler days which are rejuvenating my yard and me as well!

We can now enjoy field trips, working outside on your collection of rough materials, fossils and some of us even cut rocks outside! The air is crisp and calling us to the outdoors!

We have a new lapidary class, and a Basic Soldering/Ring Making class posted. Robert Reed will be adding a new Faceting 101 class soon. So you who have been waiting for a new class, jump online and register for the classes before they fill up. There are a lot of opportunities for field trips in the works. It is a great way to meet other members, and collect some new materials. Join us at our October meeting to learn more.

It is also time to think about officer elections (we'll need a nominating committee), how we're doing on our 2024 plans, new planning and budget for 2025, and some much needed updates to our by-laws. I know just boring business, but important to keep our club active and viable.

How can you help our club meet our members' needs and desires for new trips, classes, shows, programs and fun

events? Do you want to help us on a committee, start a new activity or be an officer? We would love for everyone to be involved in our activities. Suggest programs or give us a tutorial on something you love to do. Gina Koenig shared her techniques for electroforming, Bob Boyd told us about his love of varicite, and Rodney Parsley who brought such beautiful jaspers. Maybe you have a vendor who would like to give a program, and sell some of their material at the same time. Just let us know and maybe make the initial contact for us.

We need your ideas, your energy, your help in teaching classes, presenting programs, and leading field trips. Each of you brings different interests and skills, we hope you will offer to share them.

Almost everyone helped in some way in 2024. We all have busy lives, always have room to do better, and yet look what we accomplished this year. The club will be better with your involvement! We're all volunteers, and none of us have all the answers, but together we have a lot more to offer.

See you at our October meeting!

C J Wright,

President, CERA Gem, Mineral and Glass

CJ

Commissioner's Report

Hello Gem Mineral & Glass Members, There are several things going on this month that I need to let you know about.

1. The South Central Federation of Mineral Societies (SCFMS) annual dues and third-party liability insurance premium have been paid for 2025. This allows us to organize field trips and participate in other Federation club trips.

2. The **CERA Arts Festival** is coming up fast. The Festival will be held on October 12th and 13th with vendor setup on October 11th. The Pottery Activity is leading the coordination, but GMG will have a club table. We need GMG volunteers for the club table and shop tours/demos and to help on all 3 days of the Festival. There are still two (2) vendor spaces available if you are interested - 10 foot by 2.5 foot. All the larger spaces are full. Here is the signup link for volunteers: <https://www.signupgenius.com/go/10C0D4CA9ADAA2FA7-51254906-cera/>.

This is the sign up for table registration:

https://anc.amp.activecommunities.com/cera/activity/serachonlineSiteId=0&activity_select_param=2&activity_category_ids=31&viewMode=list.

3. It is time to Appoint a Nominating Committee for 2025 officers. If you are interested in serving in one of the offices next year or participating in the Committee, please reach out to CJ Wright or Robert Reed. We will discuss in the next club meeting.

4. There is a new CERA Accountant! His name is Chris Dwyer. I haven't met him yet, but look forward to developing a good relationship with him.

5. An order has been placed with Kingsley North for saw blades - 1 for the 20-inch slab saw, 3 for the 10-inch trim saws, and 3 for the 6-inch water saw. All orders to the Kingsley North business account need to be placed through Robert Reed.

6. I have graduated from physical therapy from my knee replacement surgery. That allows me to resume the Faceting 301 class on October 10th. As soon as that class is done, I intend to start a new Faceting 101 class.

I know that is a lot of information, so I will try to repeat most of it in the Club meeting on October 8th. See you all then!

Best Regards,

Robert Reed

GMG Commissioner

Robert


Introduction to Copper Electroforming Jewelry

Here are some sample projects from Gina Koenig's presentation, **Introduction to Copper Electroforming Jewelry**

Her presentation includes complete instructions and numerous excellent photos explaining the process.

If you would like to have the complete presentation emailed to you let me know. colleenreigh@att.net





Electroform This!

This is just a sampling of the items that can be electroformed...

- Stone
- Glass
- Plastic
- Resin
- Lace
- Leaves
- Wood
- Insects
- Bone
- Shells
- Feathers
- Toys
- 3-D Prints
- You name it!

Bench Tips

If you need a few jump rings the same size, it's easy to grab a round rod and wind as many as you need. But when you need a lot of them, some form of winder saves a lot of time. A variable speed screw gun makes quick work of winding the coils. Screw guns are quite inexpensive at discount stores and are remarkably handy for odd jobs in the shop and around the house.

To wind a coil, just bend a right angle on the end of the wire about a half inch long and insert this into the screw gun chuck. Then wind slowly, keeping a tight coil.



See More of my Smart Solutions for Jewelry Making Series: <http://amazon.com/dp/B0BQ8YVLTJ>

I like to rest the end of the mandrel on the edge of the table or bench pin. Finally, one note of caution. If you are winding an entire length of wire, be careful as you get near the end of the wire. If the end passes under your thumb, it can cause a nasty scratch or cut.

TOUCHING UP A BEZEL

Pumice wheels are good for touching up a bezel after you've set the stone. The hardness is about 6 on the Mohs scale, less hard than quartz, so it shouldn't scratch any of your agates or jaspers. However, I'd avoid or be real careful of using pumice near the softer stones like turquoise, amber, howlite, etc.

If you're unsure about the hardness of your wheels, test them on a piece of glass. Glass is about 5 1/2 on the Mohs scale, softer than quartz. So if the wheel doesn't harm glass, it's safe for use on the quartzes and harder stones.

My preference is the one inch diameter ones such as those shown at riogrande.com/Product/AdvantEdge-Pumice-Wheels-Medium/332722?pos=2

Brad Smith

Extinct Volcanoes May Be an Untapped Source of Rare Metals

Alexa Robles-Gil Daily Correspondent
September 27, 2024 Smithsonian Magazine

Unexplored iron-rich magma could help power current and future technologies

Within the deposits of extinct volcanoes around the world, a mysterious magma may be Earth's new source for rare metals. This iron-rich magma could be full of the metals that help power some of the world's most important technologies, like smartphones, electric cars, renewable energies and more.

A new study published in *Geochemical Perspectives Letters* uses a simulation to suggest that these deposits in dormant volcanoes may be a source for in-demand rare earth elements originating from the highly concentrated magma.

"We have never seen an iron-rich magma erupt from an active volcano," Michael Anenburg, a geochemist at the

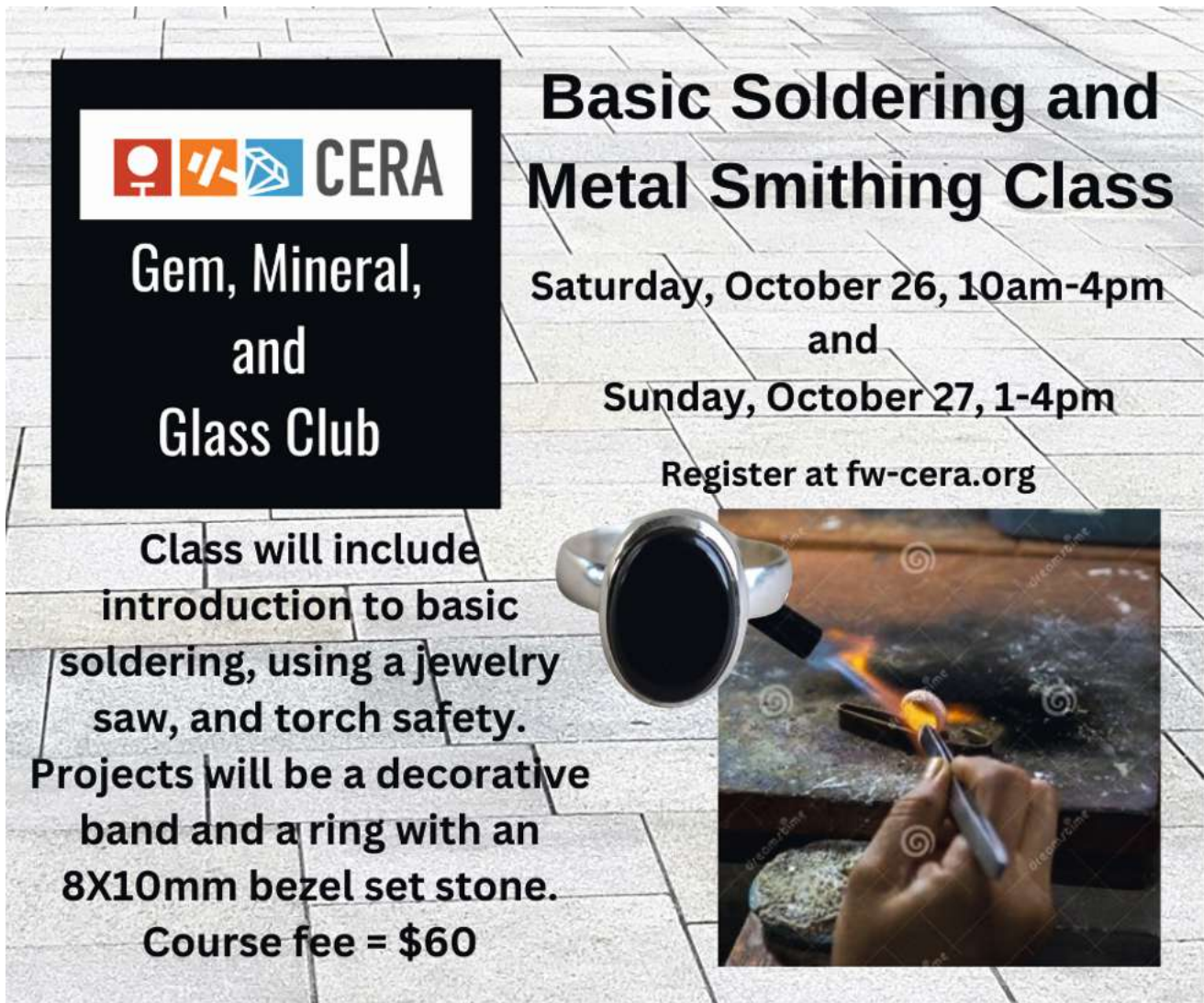
Australian National University and an author of the study, says. "But we know some extinct volcanoes, which are millions of years old, had this enigmatic type of eruption."

As society transitions from fossil fuels to clean energy, demand for rare earth metals is climbing. Though they're called rare metals, they aren't that uncommon. They're similar in abundance to lead and copper, according to Anenburg. But it's hard to find these metals in places where they're concentrated enough to be worth extracting and breaking down.

A previous discovery of rare earth metals from an iron mine in an extinct volcano called Kiruna in Sweden made the researchers question how this finding could exist. They wondered whether it was due to a type of magma that is full of iron.

"I would say that every one of the iron-rich volcanoes deserves a look, remembering the usual risk in mineral exploration that only a handful of all discoveries actually end up as a profitable operating mine," Anenburg.

[Smithsonian.com](https://www.smithsonian.com)




CERA
Gem, Mineral,
and
Glass Club

Basic Soldering and Metal Smithing Class

Saturday, October 26, 10am-4pm
and
Sunday, October 27, 1-4pm

Register at fw-cera.org

Class will include
introduction to basic
soldering, using a jewelry
saw, and torch safety.
Projects will be a decorative
band and a ring with an
8X10mm bezel set stone.
Course fee = \$60



September 10, 2024 Minutes

25 people were present

*Our President, Program Chair and Secretary were absent while attending the Denver Gem and Mineral Show.

*Our Commissioner, Robert Reed, welcomed everyone. There were several new members: Cheryl, Troy, Elizabeth, Troy and Marissa.

*Chelsea from the Pottery Activity told us about the upcoming Art Festival at CERA.

*The CERA accountant has left and a new one starts Monday. Robert and CJ worked on a 2025 Budget. Capital Expenses will include 2 Raytech Faceting machines.

*South Central Federation of Mineral Society dues and third party insurance payment are due by the end of September.

*CERA Art Festival, October 12-13. Volunteers and vendors are needed.

There are still spaces available. 5' x 10' and 2.5' x 10. A food truck will be on site.

Our club will do shop tours and demonstrations throughout the day.

*The InterGem Show is in Dallas, October 11-13.

*Fort Worth Gem and Mineral Crafts Show is December 14.

*Robert remained everyone to sign in and thanked everyone who donated materials for the auctions and raffles.

*A nominating committee will help select officers in October.

*Janice Burns report on our successful Panther City Expo. We have a Facebook page for information on the Show. We need to grow our club social media presence.

*Brad reported on classes:

Beginning Lapidary second Thursday of October, 2 Glass classes, Electro-forming, Stabilizing,

Faceting 301 in early October, 2-session beginning Silver Smithing on Saturday, Sunday October

Instructors in diverse topics are needed.

If you want to teach a class please get an Instructor Form from Brad, fill out and return to Brad.

If you feel you need help teaching a class, talk to Brad or Robert to get assistance from club members.

*Gina reported on Field Trips.

Ladonia Fossil Park 9/28, Needle Peak 12/14, Quartzite Desert Garden Show January 16-17, 2025

*Colleen reported on needs for newsletter and free advertising for members.

*Felice reported on Glass Activity.

Beginning Fusing September 18 and Patchwork Mini Bowls will meet for two classes.

*Daniel reported on Shop Status.

Write needs and problems on the white board.

We need a 10" saw.

There is still a condensation leak in the AC system, no remedy identified.

CJ donated a new refrigerator.

Janice will draw a floor plan of the shop including breaker locations.

*Program on Electro-Forming was presented by Gina.

*Show and Tell time identified rocks,

*Door Prize presented and Raffle conducted.

*Meeting Adjourned.

Respectively submitted

Colleen Reigh, Editor



Texas Through Time Fossil Museum

Andre Lujan is putting together a paleo museum tour with activities and a show with vendors (about a block from the museum) **October 12th & 13th**. He has lots of activities and demos planned and his museum is right on the Square in Hillsboro which is about an hour south of downtown Fort Worth. Paul and I will be there both days as vendors. This is a fun show! Submitting for inclusion in newsletter and possibly a field trip invite to all metro area clubs. Get a flyer; Read more about Andre and his paleo activities - [andre lujan paleontology](#) and his museum - [Texas Through Time Fossil Museum](#)



Web and Email Addresses

GMG main page <http://cera-fw.org/gem-mineral-glass/>

Registration page <http://cera-fw.org/gem-mineral-glass/home/registration/>

Newsletter

<http://cera-fw.org/gem-mineral-glass/home/newsletter>

Link to Facebook

[HTTPS://www.facebook.com/](HTTPS://www.facebook.com/CERAFortworth)

CERAFortworth

“Autumn leaves don't fall, they fly. They take their time and wander on this their only chance to soar.”

Delia Owens, Where the Crawdads Sing

Classes

Another beginning lapidary class was posted for October. Also, a ring making class. Watch for more classes to be posted this month. Additional classes will be coming soon.

Brad

Gem & Mineral Shows

October

12-13—TEMPLE, TEXAS: Annual show; Tri-City Gem and Mineral Society; Frank W. Mayborn Civic and Convention Center, 3301 N. 3rd Street; Sat. 9-6, Sun. 10-5; \$5 Adults, \$3 13-17 years, children free when with adult or guardian; (254) 718-2559; Email: lrolston@hotmail.com

18-20—AUSTIN, TEXAS: Annual show; Austin Gem and Mineral Society (AGMS); Palmer Events Center, 900 Barton Springs Rd; Fri. 9-6, Sat. 9-6, Sun. 10-5; Adults \$8, Seniors and Military ID \$7, Ages 13-18 \$2, Children ages 12 and under free; Over 30 vendors contact Laird Fowler, (512) 458-9546; Email: show_chairman@austingemandmineral.org; Website: www.agms-tx.or

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, Brook-haven Geotechnology Institute, 3939 Valley View Lane; second Wednesday of the month at 7:30.

Oak Cliff Gem & Mineral Society, South Hampton Community Hospital,

2929 Hampton Rd, Dallas, TX; forth 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.