



A monthly publication of the Clear Lake Gem & Mineral Society

VOLUME 49

October 2023

NUMBER 10



**NEXT
MEETING:**

Tuesday, October 17, 2023

**TIME:
LOCATION:**

**7:00 p.m.
Helen Hall Library
100 W Walker St.
League City, TX 77573**

INSIDE THIS ISSUE

October Meeting	1	<u>October Monthly Meeting</u>
Board/General Meeting Minutes Upcoming events Field Trips	2	Becki Kadel and David Tjiok will do a presentation on the Partial/Annular Solar Eclipse that will occur on October 14, 2023. The TX viewing starts in Midland-Odessa area (11:45 AM CDT) and ends in Corpus Christi (12 noon CDT). Houston is in the 60% eclipse area.
Zultanite Part 2	3-7	Show and tell and Birthstone of the month will be done by Christina Rankin.
The Dragon's Eye	7	Wow, what a great meeting we had in September. Lots of kids. Hands-on cracking open of shale to find trilobite, plant, and fish fossils. It was the best meeting I have attended all year.
Gem and Mineral Shows	8	Come see what we are doing at the meetings. Mike Flannigan
Club Officers	9	The Club will have a backyard field trip on Saturday, October 21st, 2023 at 9 AM until around noon. Location is in the Clear Lake area and the address will be announced at the October General meeting

MINUTES OF THE September CLGMS GENERAL MEETING

Clear Lake Gem and Mineral Society at League City Library on 9/18/2022.

We had 30 members attend the meeting and six new members were introduced.

We have \$19,832.46 in the bank.

David spoke about the increase in membership.

There will be a backyard fieldtrip in October on either the 15th or 21st. Both dates are on a Saturday, and you will be able to purchase items to take home.

The date has been set for our Christmas Dinner, it will be on December 12, at 7pm they will be the new Kelly's in League City.

Clean-up will September 30th from 7-10am at out storage area. This will help us get more space and see what needs to be thrown away or fixed and repaired.

Becky spoke about the upcoming Annular Eclipse on October 14th and her "Contraband" Zultanite from her cruise trip. Christina spoke about Sapphires, the birthstone of the month.

MINUTES OF THE October CLGMS BOARD MEETING.

There was no October board meeting.

Owen Uitenbroek
(center) his mother
(left), and his dad (right)
accept the \$2,000
CLGMS scholarship he
won in our Scholarship
Application Contest

7/18/2023



Zultanite – Continued from last month's article

Gem Rock Auction (Partial)



Zultanite® Healing Properties

The color of gemstones can influence their abilities as [healing stones](#). Since Zultanite® has multiple colors, it offers numerous healing benefits.

Like [pink gemstones](#), Zultanite® can function as a [chakra stone](#) for the heart, promoting self-love, compassion, and acceptance. It also can provide grounding, good fortune, and balance like other [green gemstones](#). Plus, Zultanite® has the benefits of [yellow gems](#), offering joy and wisdom.

Below, we'll look at specific physical and emotional Zultanite® stone benefits.

Physical Healing

Physically, Zultanite® crystals are believed to treat memory disorders like Alzheimers or other forms of dementia. Crystal healers also use Zultanite® for dream recall, insomnia, and weight regulation.

Emotional Healing

Zultanite® crystals are said to promote mental clarity, helping clear stress, forgetfulness, and distractedness. It's a focus-boosting and anxiety-reducing



crystal often recommended for students, especially during intense studying periods like finals week.

Moving on, how is Zultanite® valued?

Zultanite® Gemstone Properties

Since authentic Zultanite®s are regulated by one company, their quality has fairly strict requirements. The grade of an individual Zultanite® still depends on the standard categories of color, cut, clarity, and carat weight, along with if it's authenticated.

Color

The best Zultanite® colors are kiwi green under sunlight, champagne yellow under incandescent light, and raspberry red in candlelight. However, you may see other shades like yellow-green, sage, pale golden yellow, purplish-pink, red, khaki green, and even ginger.

The warmer pinks, reds, and violet hues show up in artificial lighting (like fluorescent and incandescent lights), while green and yellow hues come out most under sunlight.

Stones with saturated colors and strong, distinct color shifts are most valuable.



Cut

Lapidarists (gem cutters) who cut Zultanite® are highly skilled and cut Zultanite® to maximize its color change and sparkle (a.k.a scintillation or brilliance). Virtually every authentic Zultanite® is masterfully [faceted](#), with fancy cuts commanding the highest value.

Clarity

Clarity describes the amount of visible [inclusions](#) in a gemstone. Rough Zultanite® material often has inclusions only visible under 10x magnification, giving it a

Type II [colored gemstone clarity grade](#). However, almost all Zultanite® gems that are cut and sold are eye-clean, meaning they lack visible inclusions when viewed with the naked eye.

Carat Weight

Unfortunately, most of the material from Zultanite® rough must be discarded to yield small gem-quality stones. However, smaller Zultanite® stones are usually less saturated and have a less intense color change. Any Zultanite®s weighing more than 3-5 carats are rare, as most are under 2 carats.

Synthetics & Simulants

With all rare and beautiful gemstones comes a slew of sellers trying to cash in with fake options. But how do you know if a Zultanite® stone is real or fake?

If you have a gemology background, you can check the stone's for inclusions, but most buyers aren't trained in gemology. Don't worry! Another way to know if Zultanite® is real is with a plastic Zultanite® Authenticity Guarantee card. The card has a hologram embedded and lists information about the sourcing and origin of the stone if it's authentic.

Speaking of, let's go over how Zultanite® forms and where exactly this formation process happens.

Zultanite® Formation & Sources

First, where is Zultanite® found? Zultanite® is currently only known from one vein within the Anatolian Mountains in Turkey, mined thousands of feet above sea level.

Zultanite® forms within this hydrothermal vein when magma comes up from below Earth's surface and cools, with gas bubbles and different cooling rates causing crevices to open up. Hot water carrying dissolved elements entered those crevices, then gradually cooled into Zultanite®.

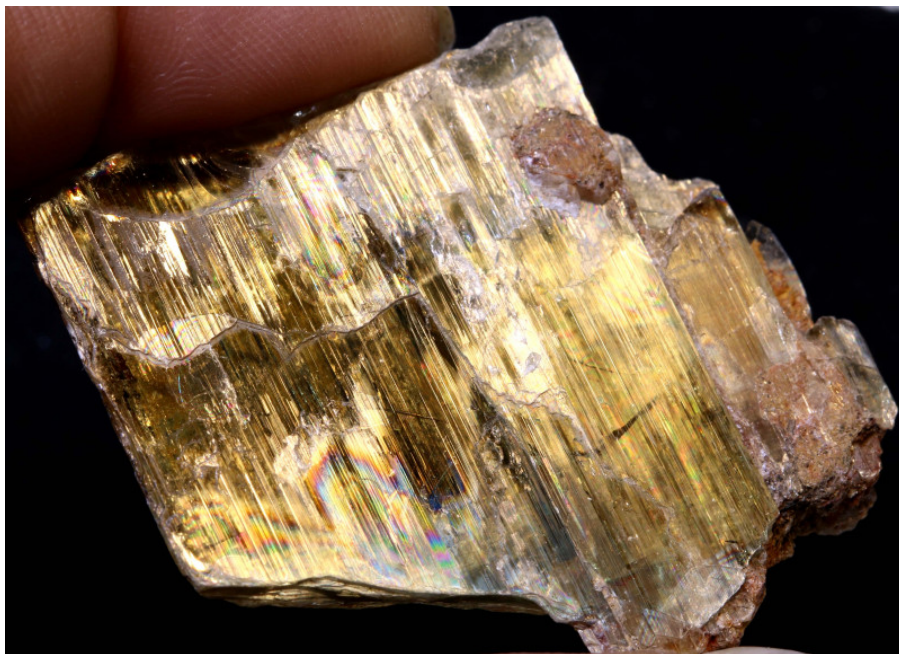
Mining Zultanite® is also a tricky process. Typically, miners have to move 2 tons — that's 4,000 pounds or over 1,800 kilograms — of bauxite (the rock Zultanite® forms inside of) to yield 1 carat of gem-quality Zultanite®!

All that considered, is Zultanite® a good investment? Considering its rarity and limited sourcing, now's as good a time as any to invest in this stone before the supply depletes. To figure out if it's the right choice for you, we'll go over Zultanite® prices next.

Zultanite® Gemstone Price & Value

Zultanite® is a rare, exclusive gem, so it's fairly steep in price. That said, it's still less expensive than similar stones like alexandrite.

How much is a 1 carat Zultanite® worth? Zultanite® changes in price-per-carat by carat weight. The price of a Zultanite® stone for sale ranges from \$500-\$10,000 per carat at retail and \$50-\$3,000 per carat at wholesale.



Calibrated Csarite® gems range from \$30-\$200 per carat when under 5 cts. Csarite® over 5 cts costs \$500-\$1,000 per carat.

With investment-level costs, [gemstone care](#) is crucial for keeping your Zultanite® sparkling and intact for a lifetime.

Zultanite® Care and Maintenance

There are plenty of different Zultanite® jewelry options, and most are durable enough for daily wear. However, we recommend [protective settings](#) for more vulnerable jewelry like a Zultanite® ring or bracelet.

Be sure to remove any Zultanite® jewelry before high-impact or chemically involved activities like washing dishes, cleaning, playing sports, or gardening.



Zultanite® is sensitive to sudden temperature changes, so do your best to avoid these. You can clean Zultanite® with mild soap, lukewarm water, and a soft toothbrush. It's best to store Zultanite® separately from other gems and away from direct heat or sunlight (to avoid any big temperature changes).

Feel Like A Sultan in Zultanite®!

There may not be any Ottoman Empire sultans left, but that doesn't mean you can't feel like royalty in a gorgeous Zultanite® ring! These rare beauties are truly one-of-a-kind, perfect for any gemstone enthusiast or collector to add to their collection or jewelry repertoire.

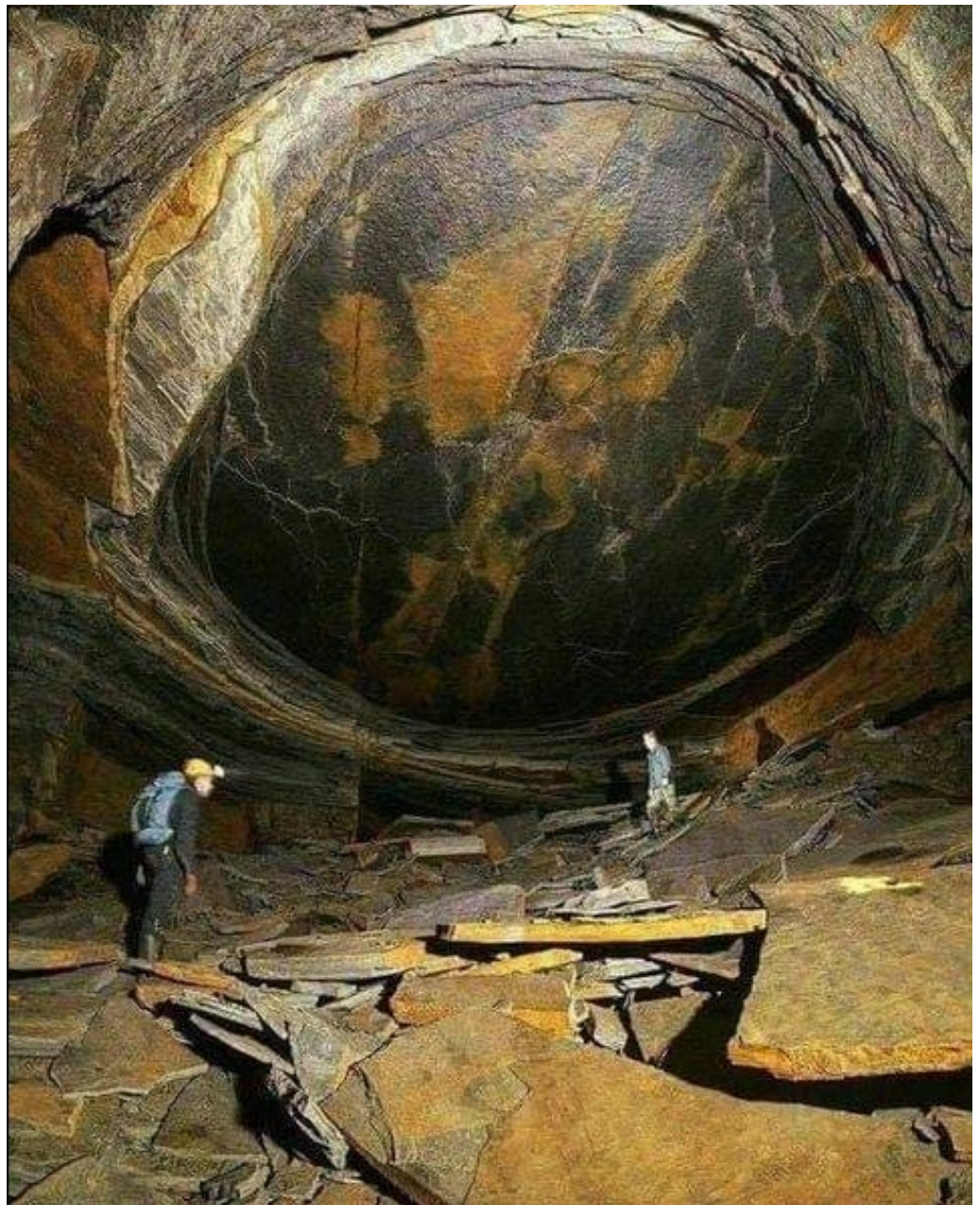
Dragon's Eye

A metamorphic rock formation found in a stone mine in Lancashire, England.

Formed by a pattern in the rock, the eye appears spherical when the light catches it in a certain way, resembling something you'd expect to find in a J.R.R. Tolkien novel.

It's believed to be an artifact of a roof collapse.

It's created by a clever camera angle and lighting to get it to look like that. You have to light it up and stand in a certain position.



SCFMS and MEMBER CLUB GEM SHOWS			
	Tri-City Gem & Mineral Society Show - 10/14-15 Sat 9:00-6:00 Sun 10:00-5:00 Frank W Mayborn Civic & Convention Center 3303 N Third Street, Temple, TX https://www.facebook.com/groups/194934397585497/	October 17-18 – Grapevine, TX – Arlington GMS	51st Annual Gem & Mineral Show. – Hosted by the Gem and Mineral Society of Louisiana. October 21- 23, 2023 Alario Center 2000 Segnette Blvd. Westwego, LA 70094. www.gmsofla.org
	Fossilmania - 10/27-29 Fri 8:00-6:00 Sat 9:00-6:00 Sun 9:00-4:00 Somervell County Expo Center 202 Bo Gibbs Blvd, Glen Rose, TX 76043 https://www.dallaspaleo.org	Oklahoma Mineral and Gem Show - 10/27-29 Fri/Sat 9:00-6:00 Sun 10:00-5:00 State Fair Park - Modern Living Bldg 608 Kiamichi Place, OK City, OK 73107 http://omgs-minerals.org	Houston Gem, Mineral, Jewelry & Fossil Show November 10-12, 2023 Humblw Civic Center http://www.hgms.org
	Dallas Gem & Mineral Show - 11/18-19 Sat 10:00-6:00 Sun 10:00-5:00 Mesquite Conv. Center 1700 Rodeo Drive, Mesquite, TX 75149 http://www.dallasgemandmineral.org	Deridder Rock & Gem Show - 12/09-10 Sat 9:00-5:00 Sun 10:00-4:00 Vernon Parish Fairgrounds 276 H M Stevens Blvd, Leesville, LA 71446 https://www.rockngemswla.com	
STONEY STATEMENTS Clear Lake Gem and Mineral Society, Inc PO BOX 891533 Houston, Texas 77289			
Meeting 3rd Tuesday of the Month 7:00 P.M. League City Library 100 W Walker St, League City, Tx 77573			

**Member of**

Next Annual Show
February 24-25, 2024
Pasadena Convention Center



American
Federation of
Mineral Societies

South Central
Federation of Mineral
Societies

CLGMS is on the Web:
<http://www.clgms.org>

FACEBOOK: CLEAR LAKE GEM AND
MINERAL SOCIETY.

Clear Lake Gem and Mineral Society, Inc

MEMBER: American Federation of Mineralogical Societies and South Central Federation of Mineral Societies

PURPOSE: To promote education and popular interest in the various earth sciences; in particular in those hobbies dealing with the art of lapidaries and the earth sciences of minerals, fossils and their associated fields.

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Facebook.....Cynthia McGowan

Membership.....Mike Flannigan
WWW System Admin..Mike Flannigan
Refreshments.....Vacant
Education/Field Trips.....Annabel Brownfield
Field Trip CoordinatorCasey Renner

Membership Dues Jan. to Dec. 2023: Adult \$15:00, Family Dues \$20.00 (4+) at same address. Send Dues to CLGMS, PO BOX 891533, Houston, TX, 77289