



A monthly publication of the Clear Lake Gem & Mineral Society

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NEXT MEETING: TUESDAY, March 16, 2021

TIME: 7:00 p.m.

LOCATION: Helen Hall Library
100 W. Walker St.
League City, Tx 77573

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March Meeting	1	<p><u>March MONTHLY MEETING</u></p> <p>We will HAVE an in-person general meeting this month.</p> <p>Since our 2021 Annual Show was cancelled, the PCC has offered us a refund and one FREE show. They offered us a FREE show on August 13-15, 2021. At this meeting we will decide whether we are going to take up the offer. If we do not take it, we will still have our regular Annual show in February 2022 – for FREE. Please try to attend the meeting.</p> <p>Reminder – 2021 membership dues.</p> <p>http://www.clgms.org/</p>
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MINUTES OF THE February CLGMS GENERAL MEETINGOld Business

No show this month.

New Business

Since we did not have a show should reduce our scholarships or keep them at \$2,000 each?

How did everyone fair after the storm?

Nominations for Elementary and Middle Schools for Advancement of Science.

Should we have a show in August?

Business at hand:

We discussed that we have enough money in our account so we can keep the scholarships at three for \$2,000 each.

People were getting their houses and yards cleaned up after the ice storm and checking in on other friends and family.

Charlie is asking for names and schools libraries that could benefit from the club donation for the Advancement of Science. Three \$500 checks will go to the schools.

Since we did not have a show this February the PCC gave us a date in August for 8/13-8/15. It would be free for us and we would keep our dates in February 2022. There was a vote to table it until a Survey Monkey could be sent out to see what other members would want. Sandy would ask what the vendors they would like to do and get back to the board with her findings.

MINUTES OF THE March CLGMS BOARD MEETINGOld Business

Sandy was able to talk to most of the vendors.

Scholarships will stay the same - three for \$2,000

Charlie is asking for names and schools libraries that could benefit from the club donation for the Advancement of Science. Three \$500.00 checks will go to the schools.

Since we did not have a show this February the PCC gave us a date in August for 8/13-8/15. It would be free for us and we would keep our dates in February 2022.

New Business

No survey Monkey was sent out to the members to vote for a show in August – Morgan will work on this matter.

Sandy said that most of the vendors did want to have a show in August and then again in February. Out of 37 vendors: 22- yes and 15- no. Baton Rouge has their show on the same days in August, even though it's small, it does very well. We will hold a vote for this on Tuesday during our General Meeting. Sandy will send out another survey to the vendors about the August show.

Jim Wines will be having sales to sell his items that he has collected over the years. If you could not come out to his place this past weekend do not worry, he will let us know when he will be having another sale next month.

REMINDER: March General meeting will be in-person at the Helen Hall Library in League City.

Upcoming events - We are looking forward to the following programs.

Show and tell

Field Trips Announcement

Currently we do not have any field trips on the schedule. If you have a suggestion for places and dates please contact:

annabel.brownfield@gmail.com or call/text: 281- 486 -1866.

The Rise Of Lab-Grown Diamonds And The New Trend For 2020. From: <https://www.diamondhedge.com/>

Diamonds are forever. This phrase became the epitome of the diamond industry when De Beers Company used it for marketing. Today these forever glittering stones are being challenged by their clones, the lab-grown diamonds. Today the diamond market is facing a huge deficit. According to a report by the Bain & Company and Antwerp World Diamond Center in 2019, the sales of rough mined diamonds is expected to decline by 25% while the demand for polished diamonds is going to rise by 10%.

With the world moving towards sustainable growth, the choice for lab-grown diamonds is particularly high among the millennials. According to MVI Marketing, 70% of the millennials are moving away from conventional diamonds and considering lab-grown alternatives. This is the reason why Bains & Company pegs the growth of the lab-grown diamond market to be between 15% and 20% with a promise of unprecedented growth.

It is this rise of lab-grown diamonds that has even forced the mammoths like De Beers to embrace them. The brand introduced its lab-grown Lightbox Jewelry collection in May 2018.

What are lab-grown diamonds?

There is a lot of confusion, but know that a lab-grown diamond is a diamond physically, chemically and optically identical to mined diamonds. There is little differentiation between the lab-grown and naturally occurring diamonds. While the natural occurring ones were formed 1 billion to 3 billion years ago, their lab-grown counterparts can materialize within 12 weeks.

Lab-grown diamonds are created using heat and extreme pressure inside a machine. The process starts with the 'seed' that's a flat slither of another diamond. Traditional these lab-made stones are created using High-Pressure High Temperature (HPHT) systems where a pressure of 1.5 million pounds on pure graphite carbon under 1,500 C temperature creates diamonds.

A more recent technology to grow diamonds is called Chemical Vapor Deposition (CVD). In this process, a sealed chamber is filled with carbon-rich gas and heated to 800 C. The carbon atoms from gas stick to the seed creating diamonds atom by atom.

New Trends in 2020 Diamond Industry

The lab-grown diamonds are not just restricted to be used in jewelry but also in other applications, from abrasives to medical, scientific and computational uses. For now, when most of the jewelry market still uses mined diamonds, the bread and butter for the

lab-grown diamond depend on the alternative uses. But that is changing as millennials are shaping the industry.

According to the Gemological Institute of America, the annual sales of laboratory diamonds will be over \$100 billion shortly.

According to experts, lab-grown diamonds can improve the human condition as the future diamond-based devices will reduce our carbon footprint by 10% or more. Also, these diamonds have high applications in the automotive industry as they have a lower coefficient of friction than metal. For orthopedic medical devices, the durability and biological inertness of diamonds make them ideal for joint replacement. The lab diamond spinal disk replacements are already under trial.

In the future, we will also see diamond replacing silicon in electronic and computer processors. According to studies, diamond-based computers are more efficient than silicon in handling high frequency and high voltage.

All these applications make the growth scope of lab-grown diamonds exponentially high. Future will see diamond search from all industries narrowing down to these lab-grown precious stones.

Whether you like it or not, in 2020, millennials continue to shape the diamond industry. As they are making more financially conscious choices, more millennials are searching for lab-grown diamonds.

As the awareness for eco-friendly practices is on the rise, every business related to mining is going to witness a slump. New-age buyers look for eco-friendly products which is why they prefer to choose lab-grown diamonds due to their low impact on the environment. The perfection of lab-grown diamonds is such that only experienced jewelers can tell the difference.

Whether you are an industry observer or a savvy consumer, you need to be aware of the changing trend in the diamond industry. The era of lab-grown diamonds has started and it is going to get bigger rapidly in 2020 as well.

One of the most renowned and trusted online sources to buy quality loose lab grown and natural diamonds is Diamond Hedge. They have one of the largest selection of lab grown diamonds in the world. Diamond Hedge is the first Augmented Reality diamond search engine to allow consumers to try on diamond rings on their hands from anywhere and then compare from over 1 million diamonds from all the leading diamond companies of the world. They provide highest quality of lab grown and natural diamonds and diamond engagement rings at the most competitive prices.

Taken from the website:

<https://www.bbc.com/news/world-africa-53148612>

Tanzanite: Tanzanian miner becomes overnight millionaire

24 June 2020



Image copyright Tanzania Ministry of Minerals

A small-scale miner in Tanzania has become an overnight millionaire after selling two rough Tanzanite stones - the biggest ever find in the country. Saniniu Laizer earned £2.4m (\$3.4m) from the country's mining ministry for the gemstones, which had a combined weight of 15kg (33 lb). "There will be a big party tomorrow," Mr Laizer, a father of more than 30 children, told the BBC.

Tanzanite is only found in northern Tanzania and is used to make ornaments. It is one of the rarest gemstones on Earth, and one local geologist estimates its supply may be entirely depleted within the next 20 years.

The precious stone's appeal lies in its variety of hues, including green, red, purple and blue. Its value is determined by rarity - the finer the colour or clarity, the higher the price.

Mr Laizer mined the stones, weighing 9.2kg and 5.8kg, last week, but he sold them on Wednesday during a trading event in the northern region of Manyara. Until now the largest Tanzanite rock to be mined weighed 3.3kg.

President John Magufuli phoned in to congratulate Mr Laizer on the find. "This is the benefit of small-scale miners and this proves that Tanzania is rich," the president said. Mr Magufuli came to power in 2015 promising to safeguard the nation's interest in the mining sector and increase the government's revenue from it.

What did the new millionaire say?

Mr Laizer, 52, who has four wives, said he would slaughter one of his cows to celebrate. He also plans to invest in his community in Simanjiro district in Manyara.





"I want to build a shopping mall and a school. I want to build this school near my home. There are many poor people around here who can't afford to take their children to school. I am not educated but I like things run in a professional way. So I would like my children to run the business professionally."

He said the windfall would not change his lifestyle, and that he planned to continue looking after his 2,000 cows. He said he did not need to take any extra precautions despite his new-found riches. "There is enough security [here]. There won't be any problem. I can even walk around at night without any problem."

Some small-scale miners like Mr Laizer acquire government licences to prospect for Tanzanite, but illegal mining is prevalent especially near mines owned by big companies.

In 2017, President Magufuli ordered the military to build a 24km (14-mile) perimeter wall around the Merelani mining site in Manyara, believed to be the world's only source of Tanzanite. A year later, the government reported an increase in revenue in the mining sector and attributed the rise to the construction of the wall, the BBC's Sammy Awami in Dar es Salaam reports.

SCFMS and MEMBER CLUB GEM SHOWS			
Jan: Fredericksburg (Fredericksburg, TX) CANCELLED East TX (Tyler, TX) CANCELLED	Feb: Williamson County (Georgetown, TX) CANCELLED Clear Lake (Houston, TX) CANCELLED High Plains (Plainview, TX) ??	March: Gulf Coast (Corpus Christi, TX) CANCELLED Big Spring (Big Spring, TX) 03/6-7/21 Southwest (San Antonio, TX) CANCELLED AFMS Meeting– Sandy, UT. CANCELLED	April: Central TX (Abilene, TX) 04/10/11 Chihuahuan Desert (Alpine, TX) CANCELLED
May: Waco (Waco, TX) 05/01-02/21. *Tyler Gem & Mineral (replace East TX this year) 05/22-23/21 Ft. Worth (Ft Worth, TX) 05/29-30/21	June: Arlington (Arlington, TX) 06/19-20/21??	July: None.	Aug: Baton Rouge (Baton Rouge, LA) 08/14-15/21 Ark-La-Tex (Bossier City, LA) 08/21-22/21 Pine Country (Jasper, TX)
Sept: Lubbock (Lubbock, TX) 10/9-10/21	Oct: Tri-City (Temple, TX) 10/02-23/21 G&MS of LA (New Orleans, LA) 10/9-10/21 Austin (Austin, TX) 10/22-24/21 Cowtown-CERA (Ft Worth, TX)	Nov Golden Spread (Amarillo, TX) Paleontological Society(Austin, TX) 11/06-07/21 Midland (Midland, TX) Houston (Houston, TX) 11/12-14/21 Dallas (Dallas, TX) 11/20-21/21	Dec: DeRidder (Leeville, LA)
STONEY STATEMENTS Clear Lake Gem and Mineral Society, Inc PO BOX 891533 Houston, Texas 77289			
Meeting 3rd Monday of the Month 7:00 P.M. Clear Lake Park Building 5001 NASA Parkway, Seabrook, Texas			

				
		Member of		
Next Annual Show February 26-27, 2022 Pasadena Convention Center				
CLGMS is on the Web: http://www.clgms.org			American Federation of Mineral Societies	South Central Federation of Mineral Societies
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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Membership Dues Jan. to Dec. 2021: Adult \$15:00, \$5.00 per additional adult at same address, Junior \$5.00, \$5.00 per member with adult at same address, Family Dues \$20.00 (4+) at same address. Send Dues to CLGMS, PO BOX 891533, Houston, TX, 77289				