



A monthly publication of the Clear Lake Gem & Mineral Society

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NUMBER 1



**NEXT MEETING:** January 20, 2020  
**TIME:** 7:00 p.m.  
**LOCATION:** Clear Lake Park Building  
 5001 Nasa Parkway  
 Seabrook, Texas

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| January Meeting Announcement | 1   | <p><b><u>JANUARY MONTHLY MEETING</u></b></p> <p>The Clear Lake Gem &amp; Mineral Society will hold their monthly meeting on January 20, at 7:00 p.m. at the Clear Lake Park Building located at 5001 Nasa Parkway, Seabrook. This month's program is our Annual Show. Learn about our Annual Show scheduled for February 22-23, 2020. Will you join us for networking and fun! Our purpose is 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. Visitors are welcomed. <a href="http://www.clgms.org/">http://www.clgms.org/</a></p> <p><b>DON'T FORGET: 2020 Club membership is due.</b></p> |
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**MINUTES OF THE DECEMBER 16, 2019, MONTHLY MEETING and  
MINUTES OF JANUARY 2020 Board of Directors Meeting.**



We did not have a formal meeting due to Christmas Dinner.

January 2020 board meeting notes

Meeting held at the Clear Lake Park Building starting at 7pm on January 6th.

Reservations for this year

- Clear Lake Park building is starting to charge for use of the building. Charge is \$25 per meeting for not for profits.
- Board meeting will be held at a different location from now on. **We agreed that the BOD meeting will be held on 1<sup>st</sup> Mondays every month at PANERA BREAD on El Dorado Blvd. at 7 pm.**
- Is the building open for MLK day this month? Presidents' day next month? These are our meeting dates. David will call to check. **Yes, I confirmed that the building on these dates (Jan. 20 and Feb. 17) will be opened for our general meetings.**

Display boxes

- We will be clearing out old display boxes during the show. For club members that want these, please let us know and be ready to pick up during the show

Show items

- Swag bag. The smaller bags (8.25x10x4 inch) are 65 cents plus printing costs. We are considering getting about 1000 for the show. One suggestion was to get the bigger ones (10x13x 15) so they get reused as the smaller bags won't make it back out in public as often. **I ordered the same size that we are currently have (reusable), however, the color will be yellow with blue print for the logo. I ordered 750 of them and also 250 of the Rock Stress Foams.**
- Trina ordered the new magnet signs for advertisement
- Cyndi is working on bay area newsletter and Houston Chronicle advertising.
- Trina and Cyndi will work on getting the show on community calendars
- Display cases – Trying to decide how many display cases we will need. Need to get a number for this at the next meeting.
- For the rock food table a 12 x 22 ft area is needed plus walk around room.
- Charlie and Bernice won't be continuing with demonstrations. Who can do demonstrations? Would Rob Elis be able to demonstrate? We could have set times for demonstrations. Discussing moving demonstrations to the lobby. Could ask vendors to do demos and announce it at certain times. Sandy doesn't think they will like this. Maybe

the Houston club would be interested in demoing. John will check with a person from the Houston show.

- Theresa will man the children's booth. Darlene will help. Theresa will order supplies. **The supplies are ordered.**
- Trina will put an add out for volunteer work to help with the kids activities – 2 hours for free admission. Cyndi will ask Sea Scouts and the schools we gave library donations to.
- We now have to call the food vendor and set up concessions. David will call after checking with the convention center. **Southern Komfort Kitchen will do the concession again this year.**
- We haven't heard from the GIA – Jem Identification group, yet.
- Cyndi will make signs and advertisements about the club.
- It would be ideal to have a few field trips or workshops lined up to advertise our club. Anyone willing to put together and lead one of these for spring?
- We revamped the ticket layout and Jerry will reorder
- David will contact a club member to see if they will be available to learn about the Scout booth. Trina is wanting to step down from the running the scout sessions for 2021.
- Trina will send Cyndi a list of what she does for the Scout session.
- Need to test the card reader to make sure it still works fine. We may need to update software or get a new reader to make sure we have a chip reader
- David will contact Sgt Zinc for security. **Contacted and will be ready for the show.**
- Jerry will be making the new signs for new dealers
- Trina needs to stop in to the bank and get a new credit card.

Charlie and Bernice Timme will be representing CLGMS at the Frederickburg's show meeting.

Newsletter – need a person to make newsletters – who can help out with this??

We are looking at migrating our website. We are hoping to transition to a new web manager. This new system also allows more data management and to see where our traffic comes from. Is there a tech savvy person in the club that would be interested in web work?

We will have a volunteer's sign-up sheet, please fill out as much as you can to help so we can have a great show. Thursday and Sunday nights, we will be loading and unloading show stuffs at the storage locker. Also, on Friday, after set up, some of us will go back to the storage locker to clear up space so we can organize the show material when we finish with the show.

Taken from the 8/2017 Charlotte Gem & Mineral Club newsletter "The Goldrush Ledger".

## **Aquamarine and Maxixe**



Aquamarine

Aquamarine (from Latin: aqua marina, being, water : sea, i.e. sea water, [8] marīna, from marīnus; of the sea. [9] ) is a blue or cyan variety of beryl. It occurs at most localities which yield ordinary beryl. The gem-gravel placer deposits of Sri Lanka contain aquamarine. Clear yellow beryl, such as that occurring in Brazil, is sometimes called aquamarine chrysolite. The deep blue version of aquamarine is called maxixe. Maxixe is commonly found in the country of Madagascar. Its color fades to white when exposed to sunlight or is subjected to heat treatment, though the color returns with irradiation.

The pale blue color of aquamarine is attributed to  $\text{Fe}^{2+}$ .  $\text{Fe}^{3+}$  ions produce golden-yellow color, and when both  $\text{Fe}^{2+}$  and  $\text{Fe}^{3+}$  are present, the color is a darker blue as in maxixe. Decoloration of maxixe by light or heat thus may be due to the charge transfer between  $\text{Fe}^{3+}$  and  $\text{Fe}^{2+}$ . Dark-blue maxixe color can be produced in green, pink or yellow beryl by irradiating it with high-energy particles (gamma rays, neutrons or even X-rays).



Faceted aquamarine

In the United States, aquamarines can be found at the summit of Mt. Antero in the Sawatch Range in central Colorado. In Wyoming, aquamarine has been discovered in the Big Horn Mountains, near Powder River Pass.

Another location within the United States is the Sawtooth Range near Stanley, Idaho, although the minerals are within a wilderness area which prevents collecting. In Brazil, there are mines in the states of Minas Gerais, Espírito Santo, and Bahia, and minorly in Rio Grande do Norte. The mines of Colombia, Zambia, Madagascar, Malawi, Tanzania and Kenya also produce aquamarine.

The largest aquamarine of gemstone quality ever mined was found in Marambaia, Minas Gerais, Brazil, in 1910. It weighed over 110 kg (240 lb), and its dimensions were 48.5 cm (19 in) long and 42 cm (17 in) in diameter. The largest cut aquamarine gem is the Dom Pedro aquamarine, now housed in the Smithsonian Institution's National Museum of Natural History.

## **Clams**

Taken from the 10/2018 Cedar Valley Gems newsletter put out by the Cedar Valley Rocks & Minerals Society.

9/11/2018

Researchers Accidentally Kill The Oldest Animal Ever Discovered While Trying To Figure Out It's Age

Scientists discovered a shellfish that was more than 500 years old but accidentally killed it in the process of finding that out. As science advances and evolves more quickly than most of us can keep up with, it has left us wondering what's next. Things we previously thought were unattainable are now starting to feel inevitable. Concepts that were once reserved for science fiction movies such as time travel and eternal life.

When it comes to eternal life, or at the very least living longer, it really does feel as if we're getting close. Humans live much longer, on average, than they have done in the past and some scientists believe that the first person who is going to make it to 150 years old is already alive and walking around somewhere. However, some members of the animal kingdom have a leg up on the human race.

Not too long ago, scientists found the oldest animal ever discovered, a species of Icelandic clam known as an ocean quahog. It was an incredible 507-years-old. Notice the use of the word "was." That's because, as reported by The Independent, the scientists at Bangor University in the UK managed to kill the creature while trying to figure out its age. On top of that, they managed to get the age wrong, something that has recently been corrected.

Calculating the age of the clam is apparently very similar to how you would carry out such a process with a tree, count the rings. They form on the animal's shell and originally, scientists counted the marks on the inside. Some of those marks were so close together that it made counting them extremely difficult. On their second attempt, the rings on the outside of the shell were counted, and the age of the clam jumped from 405 to the correct 507, meaning it was around before Henry VIII was the king of England.





Even though the clam is the oldest animal to ever be discovered, it's highly unlikely that it's the oldest to have ever lived. Even though a great many clams were brought back from the expedition during which it was discovered, fisherman trawl those areas around Iceland all the time and have likely discarded clams that have been around even longer.

[https://www.therichest.com/things/researchers-kill-oldest-animal-ever-discovered/?utm\\_source=quora&utm\\_medium=referral](https://www.therichest.com/things/researchers-kill-oldest-animal-ever-discovered/?utm_source=quora&utm_medium=referral)





| <b>SCFMS and MEMBER CLUB GEM SHOWS</b>   |   |   |   |  |  |
|--|---|---|---|--|--|
| Jan 19 - 20, 2019,<br>Fredericksburg, TX,<br>Fredericksburg<br>Rockhounds and SCFMS<br>Convention, Lady Bird<br>Johnson Park   | Jan 25 – 27, Tyler, TX,<br>East Texas G&MS, Tyler<br>Rose Garden Center,<br><a href="http://www.etgms.com/annual_show.html">www.etgms.com/<br/>annual_sh<br/>ow.html</a>  | Feb 16-17, Georgetown,<br>TX, Williamson County<br>G&MS, Georgetown<br>Comm. Cntr.,<br><a href="mailto:sparkaustin@outlook.com">sparkaustin@outlook.com</a> | Feb 23, Plainview, TX, Hi-<br>Plains G&MS, Ollie Liner<br>Center,<br><a href="mailto:bobcat22@suddenlink.com">bobcat22@suddenlink.com</a> |  |  |
| Feb 22-23, Pasadena, TX,<br>Clear Lake G&MS,<br>Pasadena Convention<br>Center,<br><a href="http://www.clgms.org/index.html">http://www.clgms.org/inde<br/>x.html</a>                               | Mar 2-3, Big Spring, TX,<br>Big Spring Prospectors<br>Club, Howard Cty Fair<br>Grounds,<br><a href="mailto:lolabellela_m_b@yahoo.com">lolabellela m<br/>b@yahoo.com</a>   | Mar 2-3, Robstown, TX,<br>Gulf Coast G&MS,<br>Richard M Borchard<br>Fairgrounds,<br><a href="http://www.gcgms.org">www.gcgms.org</a>                        | Mar 9-10, San Antonio, TX,<br>Southwest G&MS, San<br>Antonio Event Center,<br><a href="http://www.swgms.org">www . swgms.or g</a>         |  |  |
| Mar 23-24, Cedar Rapids,<br>IA, Cedar Valley R&MS<br>& AFMS<br>CONVENTION,<br>Hawkeye Downs Expo<br>Center,<br><a href="http://www.cedarvalleyrockclub.org">www .<br/>cedarvalleyrockclub .org</a> | Apr 13-14, Abilene, TX,<br>Central TX G&MS,<br>Abilene<br>Convention Center,<br><a href="mailto:kmcdaniel23@suddenlink.net">kmcdaniel23@suddenlink.<br/>n<br/>et</a> Apr 19-21, Alpine, TX,<br>Chihuahuan Desert<br>G&MC, Alpine Civic<br>Center,<br><a href="mailto:ocoent895@gmial.com">ocoent895@gmial.com</a> | Apr 19-21, Alpine, TX,<br>Chihuahuan Desert<br>G&MC, Alpine Civic<br>Center,<br><a href="mailto:ocoent895@gmial.com">ocoent895@gmial.com</a>                | May 4-5, Waco, TX, Waco<br>G&MC, Extraco Events<br>Center,<br><a href="https://wacogemandmineral.org">https://wacogemandmineral.org</a>   |  |  |
| May 25-26, Ft. Worth,<br>TX, Fort Worth G&MC,<br>Will Rogers Memorial<br>Center,<br><a href="http://www.forthgemandmineralclub.org">www.forthgemandmin<br/>eralclub.org</a>                        | Jun 1-2, Lubbock, TX<br>Lubbock G&MS, Lubbock<br>Memorial Civic Center,<br><a href="http://www.lubbockgemandmineal.org">www.lubbockgemandmine<br/>ral.org</a>   |   |   |  |  |
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| STONEY STATEMENTS<br>Clear Lake Gem and Mineral Society, Inc<br><br>PO BOX 891533<br>Houston, Texas 77289   |   |  |   |   |
| Meeting 3rd Monday of the Month<br>7:00 P.M.<br>Clear Lake Park Building<br>5001 NASA Parkway, Seabrook, Texas  |   |  |   |   |
|    |   |  |   |   |
|   |   | Member of:   |   |   |
| <b>Next Annual Show</b><br>February 22-23, 2020<br>Pasadena Convention Center   |   |    | <br>American Federation of Mineral Societies | <br>South Central Federation of Mineral Societies |
| CLGMS is on the Web:<br><a href="http://www.clgms.org">http://www.clgms.org</a>   |   |  |   |   |
| <b>Clear Lake Gem and Mineral Society, Inc</b>  |   |  |   |   |
| 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.                                |   |  |   |   |
| 2017 OFFICERS:  | President<br>Vice President<br>Secretary<br>Treasurer<br>Program Director<br>Board of Directors:<br><br>Newsletter Editor | David Tjiok<br>John Caldyne<br>Trina Wilooughby<br>Morgan Davies<br>Vince Barrows<br>Sandra Christiansen<br>Sara Tanner<br>Donna Nelson<br>Open                      | \   | Jim Edwards<br>John Caldyne<br>Jim Hawkins  |
| Annual Show 2020 .....Sandra Christiansen<br>Constitution & Bylaws.....Sara Tanner<br>Community Benefits.....Charlie Timme<br>Historian.....David Tjiok<br>Publicity/Facebook..... Cynthia McGowen  |   | Library.....Vacant<br>Membership.....Mike Flannigan<br>WWW System Admin.. ....Mike Flannigan<br>Refreshments.....John Caldyne<br>Field Trips.....Annabel Brownsfield |   |   |
| Membership Dues Jan. to Dec. 2020: 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 |   |  |   |   |
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