



A monthly publication of the Clear Lake Gem & Mineral Society

VOLUME 48 May 2022 NUMBER 5



**NEXT MEETING:** Tuesday, May 17, 2022

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

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May Monthly Meeting	1	<p><u><a href="#">May MONTHLY MEETING</a></u></p> <p>We are going to have a couple speakers from our own club. James Brittenham and Charles Shupe. They are going to talk about basic faceting. Please come and join us for education, informative and social gathering. Maybe you can pick up faceting for your new hobbies.</p> <p><a href="http://www.clgms.org/">http://www.clgms.org/</a></p>
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## MINUTES OF THE April CLGMS GENERAL MEETING

Another awesome presentation by Shalina Warrior (Geologist, owner of Truth Minerals - [TruthMinerals.com](http://TruthMinerals.com)). We learned different types of rocks and minerals (Colors, hardness etc.)

And be sure to follow Truth Minerals on [Instagram: https://www.instagram.com/truth\\_minerals/?hl=en](https://www.instagram.com/truth_minerals/?hl=en)  
[Facebook: https://m.facebook.com/pg/Truth-Minerals-112894203924052/posts/](https://m.facebook.com/pg/Truth-Minerals-112894203924052/posts/)

or send Shalina an email: [shalina@truthminerals.com](mailto:shalina@truthminerals.com) or call: 281-900-9467

New Officers were introduced and leading the meeting.

We are going to streamline the meeting.

Honorary membership was approved for members that are 70 years and older – No membership fee is required.

## MINUTES OF THE May CLGMS BOARD MEETING.

Clear Lake Gem and Mineral Society Board Meeting at Panera Bread on 5/3/2022.

Cindy will speak to Morgan about the budget and to see how much we can afford in getting our own rental place.

Extend the due date for scholarships to July 1st. We have received several applications.

Charlie will continue to get the school library grants – up to Junior highs.

Attendance tickets need to be added to the master list and will be sorted by CESI

Need to get more vests in larger sizes (XL, XXL and XXXL).

Directory of members might be coming soon and will need consent for distributions.

We need a buddy system for each officer just incase the actual officer is having a difficulty attending the meeting etc.

**Our next show will be March 18-19, 2023.**

Please check out our Facebook page: **Clear Lake Gem and Mineral Society.**

## **Field Trips Announcement**

Currently – no field trips are scheduled.

If you have a good location for our club field trip – please contact:  
[annabel.brownfield@gmail.com](mailto:annabel.brownfield@gmail.com) or call/text: 281-486-1866.

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

James Brittenham and Charles Shupe will do a presentation on Basic Faceting. This should be an interesting subject. Our club has not had any faceters for quite a few years, now we have 2.

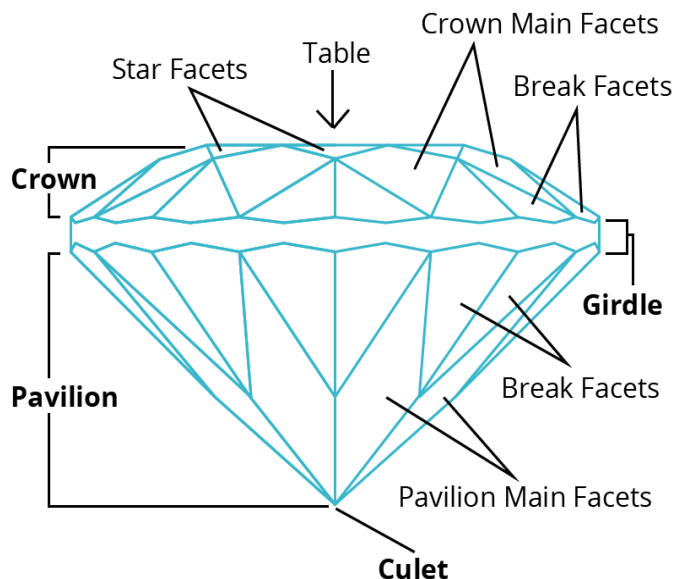
Please come and join us, this might be a good choice to start developing a good hobby.

## **Gemstone Facets: Terminology and Functions.**

By Donald Clark, CSM IMG , International Gem Society

Facets, those “geometrically arranged, flat surfaces” that cover faceted gemstones, all play specific roles in a gem’s optical performance. When expertly cut, facets not only create beautiful patterns on the gem, they also help it shine. Sometimes, literally. Different types of gemstone facets have specific names, too.

If you’re new to the art of gem cutting, you’ll become quite familiar with these terms as you learn to facet gems. However, all gem enthusiasts, especially gem buyers, can benefit from learning about the types and functions of different gemstone facets.



**The Three Principal Areas of a Faceted Gem**

### Girdle

The widest part of the gem, the girdle defines its outline. When viewed from the side, however, the girdle is usually fairly thin. Faceters cut girdles to help set the stone in jewelry.

### Crown

For both cabochons and faceted gems, the top is called the crown. For faceted gems, this means the area above the girdle. Usually, you'll see this area when viewing the "face" of a gem set in jewelry.

### Pavilion

The bottom of a faceted gem, the area below the girdle, is called the pavilion.

## **Types of Gemstone Facets**

### Mains

The largest facets are called mains. (Some gems have larger table facets). There are both pavilion mains and crown mains.

### Table Facet

The large, horizontal facet on the top, the table facet acts as a window into the interior of the gem.

### Break Facets

Adjoining the girdle, the break facets scatter light, which creates more scintillation or tiny flashes of light. There are both crown and pavilion break facets.

### Star Facets

The "top row" of facets, star facets adjoin the table facet. Along with the other crown facets, they serve to control the entry and exit of light from the gem.

### Pavilion Facets

The pavilion facets are designed to reflect the light back to the viewer. This enhances both brilliance, the amount of light a gem returns, and dispersion, the colorful "fires" that seem to emanate from within.

### Culet

The point at the bottom of the pavilion is called a culet. Some gems have tiny, flat culets instead of points. This helps prevent chipping.

### Keel

Some faceted gems have neither a pointed nor flat culet. Some cuts, like ovals and emerald cuts, have a keel at the bottom of the pavilion, an edge like the bottom of some boats.

## **Where Gemstone Facets Meet**

### Meet

The junction of two facets.

### Meetpoint

The junction of three or more facets.

### Not all Gemstone Facets are Flat

Facets may start out as flat surfaces, but gem cutters can cut them by hand or machine into concave surfaces, too. You can read about curved facets in our article on gem cutting styles.

### About the author

Donald Clark, CSM IMG

Donald Clark, CSM founded the International Gem Society in 1998. Donald started in the gem and jewelry industry in 1976. He received his formal gemology training from the Gemological Institute of America (GIA) and the American Society of Gemcutters (ASG). The letters "CSM" after his name stood for Certified Supreme Master Gemcutter, a designation of Wykoff's ASG which has often been referred to as the doctorate of gem cutting. The American Society of Gemcutters only had 54 people reach this level. Along with dozens of articles for leading trade magazines, Donald authored the book "Modern Faceting, the Easy Way."

### Gemstones Cutting and Shape

 Classic round	 Royal	 Trilliant	 Pear (Tear)	 Half dutch rose
 Asscher	 Princess	 Heart	 Octagon	 Holland rose / double rose
 Trillion	 Emerald	 Radiant	 Marquise	 Cross rose
 Oval	 Double	 Split-brilliant	 Cushion (old mine)	 English round cut
 Pentagon	 Tapered baguette	 Square	 Baguette	 Hexagon





**SCFMS and MEMBER CLUB GEM SHOWS**

<b>April:</b> Central TX (Abilene, TX)  Chihuahuan Desert (Alpine, TX)	<b>May:</b> Waco (Waco, TX)  *Tyler Gem & Mineral  Ft. Worth (Ft Worth, TX).	<b>June:</b>  Arlington (Arlington, TX)	<b>July:</b>  None.
<b>Aug:</b> Baton Rouge (Baton Rouge, LA)  Ark-La-Tex (Bossier City, LA)  Pine Country (Jasper, TX)	<b>Sept:</b>  Lubbock (Lubbock, TX)	<b>Oct:</b> Tri-City (Temple, TX)  G&MS of LA (New Orleans, LA)  Austin (Austin, TX) 10/22-24/21  Cowtown-CERA (Ft Worth, TX)	<b>Nov</b> Golden Spread (Amarillo, TX)  Paleontological Society(Austin, TX)  Midland (Midland, TX)  Houston (Houston, TX)  Dallas (Dallas, TX)
<b>Dec:</b>  DeRidder (Leeville, LA)			

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**  
 March 18-19, 2023  
 Pasadena Convention Center

CLGMS is on the Web:

<http://www.clgms.org>

FACEBOOK: CLEAR LAKE GEM AND  
 MINERAL SOCIETY.



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.

2021 OFFICERS:	President	Cynthia McGowan	281-546-2662
	Vice President	David Tjiok	832-423-4802
	Secretary	Christina Rankin	281-723-5408
	Treasurer	Morgan Davies	281-224-2444
	Program Director	VACANT	
	Board of Directors:	Sandra Christiansen	John Caldyne
		Jim Edwards	Jim Hawkins
	Newsletter Editor	Donna Nelson	
		David Tjiok	

Annual Show 2023 .....	Sandra Christiansen	Membership.....	Mike Flannigan
Constitution & Bylaws.....	Jim Hawkins	WWW System Admin.....	Mike Flannigan
Community Benefits.....	Charlie Timme	Refreshments.....	James Brittenham
Historian.....	David Tjiok	Education/Field Trips.....	Annabel Brownfield/
Publicity.....	Annabel Brownfield		James Brittenham
Facebook.....	Cynthia McGowan		

Membership Dues Jan. to Dec. 2022: Adult \$15:00, Family Dues \$20.00 (4+) at same address. Send Dues to CLGMS, PO BOX 891533, Houston, TX, 77289