



A monthly publication of the Clear Lake Gem & Mineral Society

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NUMBER 7



**NEXT MEETING:**

**July 15, 2013**

**TIME:**

**7:30 PM**

**LOCATION:**

**CLEAR LAKE PARK BUILDING  
5001 NASA PARKWAY  
SEABROOK, TEXAS**

## The PROGRAM for JULY...

### SHOW and TELL

Bring in your prize specimens and your rock-hounding finds and educate us or get help with identifying that mystery rock.

### Clear Lake Gem & Mineral Society Scholarship Presentations

The 2013 CLGMS Scholarship winners are Charles Campise and Hunter Berry from San Jacinto Community College. Each student will be presented with a \$1000 scholarship to fund courses in Geology, Mineralogy, Geophysics or Paleontology at any accredited university or college as part of a course of studies in Earth Sciences.

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#### Monthly Spotlight

Hands on presentation to scouts at a past CLGMS Annual Gem and Jewelry Show.

**MINUTES OF THE JUNE 17, 2013 MEETING  
OF THE CLEAR LAKE GEM AND MINERAL SOCIETY**

The meeting was opened at 7:40 pm by the President, Sara Chelette, with the Pledge of Allegiance. There were 17 people present. In Ben Duggar's absence a temporary Secretary was called for and Erin Pennington volunteered.

The membership was asked if there were any changes or additions to the minutes of the May meeting and none were offered. Ed Tindell moved to approve the May minutes and the motion was seconded by David Tjiok.

The Treasurer, Trina Willoughby, gave her report on the Club's financial position and reminded the membership that our Bank account has been switched to Chase and that any member holding checks on the old account were urged to cash them promptly so that the old account can be closed. A member asked why Chase was chosen and suggested Johnson Space Center Credit Union as an alternative. Trina explained that Chase was chosen because they had many conveniently located branches and longer hours. The old bank was open for very few hours outside of the normal work day.

The President then called for nominations from the floor for the following vacant positions:

- Secretary
- Web Master
- Newsletter Editor
- Librarian
- One Director position

Bob Brock was nominated for the Board of Directors position. This was put to a vote of the members present and all were in favor.

Four new visitors were welcomed.

Committee reports were then called for:

- Historian: Nothing to report.
- Librarian, Equipment Coordinator and Community Benefits Coordinator were not present.
- Publicity: Sara read an email from Bobbie LeFebvre who was not present due to illness. The Yelp listing was updated for the 2014 show date. She is still working on getting on Channel 11's Great Day Houston to promote the show and the club. She has contacted TransStar for prices of the Galveston and Pasadena road signs. The Green Sheet is \$13.50 per column inch and a 2" by 2" add is \$54.00 per week. Several members commented that is too expensive. Bobbie is finalizing the March 7, 2014 date for the KPFT (90.1) Pacifica radio station to promote the club and the show; and she is adding the show dates to community calendars on Channels 11, 13, 26 and the Chambers of Commerce in Galveston, Texas City/LaMarque and Clear Lake. Members asked about the Pasadena Chamber and also suggested a posting on Craig's List. Newcomer Ken Allison has marketing background is willing to help us promote our annual show. Ken's contact information will be sent to Bobbie.
- Membership: Mike Flannigan reported that 84 members have paid dues for 2013. Also, Mike informed the membership that the quantity of available door prizes are now very limited.
- 2014 Budget Committee: Trina proposed procedures on how to approve expenditures. These procedures need to be reviewed to determine whether they are in line with the CLGMS constitution.

- Constitution Committee: Sara requested volunteers for the constitution committee which now includes Bob Brock and Sara Chelette. The committee will meet sometime in August.
- Workshops: There were 9 attendees at the beading workshop on Saturday, June 1, 2013. The next workshop will be on cabochons and it will be conducted on Saturday Sept. 14 under the leadership of Jim Wines. Members suggested that safety measures be provided including safety glasses, ear plugs and disposable face masks. The equipment for the cabochon workshop will include 2 trim saws, 3 genie polishing and grinding machines and a dop wax pot. Suggestions were made for other workshops for rock tumbling and polishing, matched pair stones, advanced casting, opals, and dinosaur bones.
- Education: Ed Tindell reported on a recently published book titled "The Fundamentals of Mining for Gemstones and Mineral Specimens" by Jim Clanin. Ed pointed out that he was cited in the book.

Old Business: A member reminded the membership that the old paper expense books need to be archived. Another member informed the membership that the club's Facebook page is doing well and can be used to advertise the show.

Door Prizes were then drawn and refreshments taken before the presentation for the evening.

The program included a report of the Badu fieldtrip and a lesson in surface collecting by Ed Tindell.

Badu Hill Pegmatite Fieldtrip: Club members attended a field trip to Badu Hill Pegmatite Quarry on Sunday, June 9, 2013. The field trip was sponsored by the Fredericksburg Rockhounds rock club. The general location was the Inks Lake - Buchanan Lake area. Pegmatite and smoky quartz were collected.

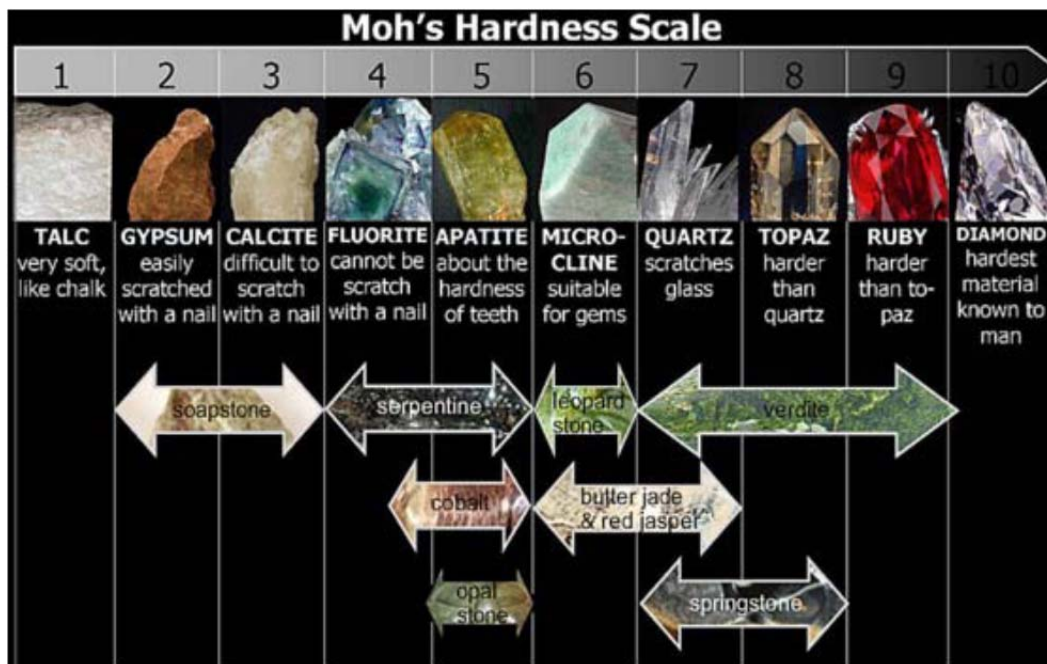
The next field trip will be scheduled for September or October and will be to either the Waco Shale Pit or Alpine Agate. The Waco Shale Pit is a hole that resulted from dirt needed for the Waco dam, where rock hunters can collect fossils and pyritized fossils in the shale. The Alpine Agate Hunter field trip would be preceded by a presentation at a general meeting. Another good collecting site is George West in Live Oak, Texas, where many specimens may be collected along any unpaved road.

Surface Collecting:

1. Train your eyes ahead of time by viewing the mineral to be collected in its natural state. For example some larger specimens may be partially buried and easy to miss.
2. Don't go too fast. Stop often and walk slowly looking side to side.
3. Zigzag your path and also turn around and cover the same area again from another direction. Many specimens will be more recognizable from the other angle.
4. Charlie Timme suggested taking your bucket to the far end of your search area and then filling the bucket up on the way back to reduce the time and distance carrying the heavily loaded bucket.

The meeting was then adjourned at 9:10 pm.

Respectfully submitted,  
Erin Pennington  
Substitute Secretary

**JUNIOR ROCKHOUNDS****A scale devised by Friedrich Mohs**

Scratching tools:

fingernail (2.2)

copper penny (3.5)

pocket knife or common nail (5.2)

piece of glass (5.5)

steel file or concrete nail (7.5)

piece of corundum (9)

Notes for testing:

Each mineral can scratch the minerals with lower hardness ratings. Each mineral can scratch itself.

Don't press hard, normal scratching should do.

Weathered surfaces are softer. Corners or edges of crystals are softer. Small pieces seem softer than large pieces. When you scratch, take a close look at the scratch line - which often looks white. Is it really a scratch or is it a powder line made from the tool you used because it was softer than the item you were trying to scratch?

source: rocks for kids website

**Check out some Cool Kids Links**

- <http://www.kidsgeo.com>
- <http://www.rocksforkids.com>
- <http://earthquake.usgs.gov/learn/kids/>
- <http://www.bbc.co.uk/nature/fossils>
- <http://www.abc.net.au/beasts/fossilfun/>
- [http://www.bbc.co.uk/sn/prehistoric\\_life/games/](http://www.bbc.co.uk/sn/prehistoric_life/games/)
- <http://www.oum.ox.ac.uk/thezone/fossils/inverts>
- <http://www.oum.ox.ac.uk/thezone/rocks/index>

**Earth Word Scramble**

Source: <http://www.sciencekids.co.nz>

1. LAEK

2. OLDG

3. CAVOLNO

4. AKTQURAHEE

5. TANMINUO

6. VIRER

7. STEDRE

8. ONCAE

9. KRCO

10. TREWA

11. TEER

12. VALA

13. OCNTTINEN

14. MAMAG

15. STEROF

16. GREIECB

17. ASRGS

18. LIOS

19. RIAN

20. ROLDW

## **WORKSHOPS**

The next workshop will be held on Saturday, September 14, 2013. Jim Wines will teach registrants how to make a cabochon from cutting the rock down to grinding and polishing the final stone. More details will follow on the website at [www.clgms.org](http://www.clgms.org).

### **Clear Lake Gem & Mineral Society Scholarship Program**

**Purpose:** To fund courses in Geology, Mineralogy, Geophysics or Paleontology at any accredited university or college as part of a course of studies in Earth Sciences.

**Amount:** \$1000.00 each. The number of scholarships will normally be two (2) each year. Additional scholarships may be determined by the Board of Directors based on the funds available.

The awards will take place at the **July** General meeting on July 15, 2013. This year's scholarship winners are:

#### **Charles Campise**

I am finishing my second year at San Jacinto College. I graduated from Clear Lake High School. My love for geology and science started whenever I was young. I read dinosaur books and dug up rocks in my backyard. The natural sciences have always intrigued me. The opportunity to participate in the Science Magnet Program at Seabrook Intermediate School was my first real immersion into the world of science. Science fairs and field trips ignited a passion in me for science. I plan on majoring in geology and ultimately would like to study seismology. I have always been fascinated by earthquakes.

I am currently waiting for the final decision at my first college choice.

#### **Hunter Berry**

Growing up in the Houston area, the "Energy Capital of the World", I realized at an early age that a career in the energy industry was the best choice for me. I attended San Jacinto College's Energy Venture summer camp several years ago and was introduced to many exciting careers in the energy field. Taking advantage of all the wonderful career choices and unique opportunities in the energy industry in my own backyard just seemed like a natural and smart decision to make. Math and science have always been my favorite subjects, so throughout high school, I took the most challenging classes that were offered, knowing that a strong background in those areas would serve me well. In addition to my academic classes, I played football and baseball for my high school teams, worked part time, and fostered my love for the outdoors as an avid hunter and fisherman. Preparing for a career in the energy industry was easy, but deciding which career path to take proved more difficult for me.

During my last semester of high school, I was accepted to Texas A&M University, but was not able to attend due to financial reasons. I started at San Jacinto College the next semester and have to admit that at first, I was upset about having to stay home instead of going off to Texas A&M. With the intention of preparing for an engineering degree, I took my basic classes, but became more and more undecided about what I wanted to do with my life. Petroleum geology was a field that I had first learned about during my summer camp at San Jacinto College, and after talking to a college counselor, I decided to take a geology course. From my very first class, I was hooked on geology! Geology wasn't a course offered at my high school, so each lesson taught me something new, different, and exciting. After taking several field trips and tours with my fellow SJC students to the Weiss Energy Hall at the Houston Museum of Natural Science and the College of Geosciences at Texas A&M, I knew that I had finally found the ideal career path for me.

I am about to finish my last semester at SJC and was thrilled when I recently received my acceptance letter from Texas A&M to the College of Geosciences. My immediate goal is to receive my Bachelor of

Science degree in Geology from Texas A&M University. Since petroleum geologists' duties include not only studying core samples and locating fuels, but analyzing extensive amounts of data and determining effective extraction methods, a Master's degree is a necessity. I plan to continue my education and earn a Master of Science in Geology with an emphasis in petroleum geology.

Looking back, I now know that attending San Jacinto College was the best thing I could have done. I received an excellent education and have had wonderful teachers who have shown a sincere interest in my future goals. My geology professors in particular have guided me and truly inspired me to continue my studies in geosciences. I am so excited about my future and achieving my ultimate goal of becoming a petroleum geologist.

## **PRESIDENT'S MESSAGE**



The Clear Lake Gem & Mineral Society was created to promote education and popular interest in the various earth sciences. We cannot do this without members with an interest in rocks, minerals, fossils, faceting, lapidary, and/or jewelry making. Members have access to a library of books, videos and DVDs, in addition to lapidary equipment, field trips, guest speakers, workshops and more. Our membership numbers are on the rise, but participation continues to be low. I charge each of you to talk to your friends, family and co-workers and encourage them to join us.

We have some vacant positions in the club and we need someone to volunteer to fill these vacancies. They are Secretary, Newsletter Editor and Web Master. The responsibilities of the secretary are to take the monthly meeting minutes and also to attend any board meetings and prepare those minutes as well. The newsletter editor develops and publishes the monthly newsletter and the Web Master maintains our web site. If you have expertise in these areas and are willing to volunteer your time, please let me know.

Jim Wines has volunteered to represent the club without reimbursement at the South Central Federation of Mineral Societies in Bossier, Louisiana next month. Thank you, Jim.

You have great ideas that would make this club even better: ideas for the newsletter, ideas for monthly programs, ideas for workshops...please share those ideas with us!

Sara Chelette  
President, CLGMS

SCFMS and MEMBER CLUB GEM SHOWS			
August 10-11 Baton Rouge, LA Baton Rouge Gem & Mineral Society, Bossier City Civic Center	August 17-18 Bossier City, LA SCFMS Convention & Show Ark-La-Tex Gem & Mineral Society, Bossier City Civic Center	August 24-25 Jasper, TX Pine Country Gem & Mineral Society, Events Center	September 14-15 Arlington, TX Arlington Gem & Mineral Society, 1010 Event Center
November 8-10 Humble, TX Houston Gem & Mineral Society, Humble Civic Center	March 8-9, 2014 Pasadena, TX Clear Lake Gem & Mineral Society, Pasadena Convention Center		

### Earth Word Scramble Answers

- |               |             |           |               |           |
|---------------|-------------|-----------|---------------|-----------|
| 1. LAKE       | 5. MOUNTAIN | 9. ROCK   | 13. CONTINENT | 17. GRASS |
| 2. GOLD       | 6. RIVER    | 10. WATER | 14. MAGMA     | 18. SOIL  |
| 3. VOLCANO    | 7. DESERT   | 11. TREE  | 15. FOREST    | 19. RAIN  |
| 4. EARTHQUAKE | 8. OCEAN    | 12. LAVA  | 16. ICEBERG   | 20. WORLD |

## Other Activities

### From the Pine Country Gem and Mineral Society:

The Pine Country Gem and Mineral Society is hosting their Annual Show August 24-25, 2013 at the Event Center near Jasper, TX. As part of the weekend, we have planned another field trip to collect petrified wood in the Lake Sam Rayburn area as well as the afternoon excursion to the waterfalls. The excursion will take place on Sunday, August 25. Ann James, PCGMS Show Chair

#### PCGMS FIELD TRIP – COLLECT PETRIFIED WOOD

Sunday, August 25<sup>th</sup>

The Pine Country Gem and Mineral Society invites you to join us in an excursion collecting petrified wood. In conjunction with their annual show (August 24th and 25th), PCGMS has arranged for a field trip to the Lake Sam Rayburn area where petrified wood is in abundance. The number of participants will be limited to 20 individuals, so sign up early to reserve your spot. All participants must be a member of a club affiliated with the SCFMS. The fee is \$ 25 per person. **Your reservation is completed once the registration form and fee has been received.** Please note that each participant is required to submit a registration form. If you are participating as a family, each family member must submit his/her own registration form. Should you have any questions contact Paul James at (409) 429-7444 or Fred Brown at (936) 661-1024.

You are responsible for bringing your own gear, refreshments/lunch, plenty of fluids, sunscreen, chigger spray, etc. PCGMS is not providing transportation. You will be using your own vehicle. Once we meet at the gathering place, some of you may want to carpool. The site has controlled access so please be on time.

The particulars are as follows:

We will meet at the Stump Restaurant (3819 Hwy 255, Brookeland, TX 75931) beginning around 6:30 am. Departure time for the site is 7:00 am. Plan to be there by 6:45 am as release forms must be completed. We will collect petrified wood until 1:00 pm or so and then on to the waterfall excursion. Again, this trip will be led by PCGMS members and “Master Naturalists” - Keith, Lori, Ron and Ellis.

### **Field Trip Registration Form**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Email Address: \_\_\_\_\_

Telephone Number: Home \_\_\_\_\_

Cell \_\_\_\_\_

\* Club Affiliation: \_\_\_\_\_

Fee: \$ 25/person/day

Amount Enclosed: \_\_\_\_\_

Checks for fees are made payable to:

**Pine Country Gem and Mineral Society or PCGMS**

Mail your registration form along with your fee to:

Paul James

2738 FM 92 South

Woodville, TX 75979

\* As stated previously, you must be a member of a club affiliated with the SCFMS. If you are not a member of an affiliated club, membership in PCGMS is available. PCGMS dues are \$18/single and \$24/family. Contact Paul at (409) 429-7444 for more information. (Duplicate as necessary)

STONE STATEMENTS  
 Clear Lake Gem and Mineral Society, Inc  
 PO BOX 891533  
 Houston, Texas 77289

(Postage)

Meeting 3rd Monday of the Month  
 7:30 P.M.  
 Clear Lake Park Building  
 5001 NASA Road One, Seabrook, Texas



Member of:

**Next Annual Show**  
 March 8-9, 2014  
 Pasadena Convention Center

CLGMS is on the Web:  
<http://www.clgms.org>  
<https://www.facebook.com/pages/Clear-Lake-Gem-Mineral-Society/612663482095512>



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.

2013 OFFICERS:	President	Sara Chelette	281-286-1195
	Vice President	Bobbie LeFebvre	409-998-3002
	Secretary	Ben Duggar (Pro Tem)	281-316-6710
	Treasurer	Trina Willoughby	281-218-0976
	Program Director	Ed Tindell	281-415-7184
Board of Directors:	Ed Tindell	Jim Wines	
	Shannon Oliver	Bob Brock	
Newsletter Editor	Sara Chelette (Pro Tem)		

Annual Show 2014 Vendor Coord.....	Sandy Christiansen	Library.....	Shannon Oliver
Const & Bylaws.....	Sara Chelette	Membership.....	Mike Flannigan
Community Benefits.....	Nancy Duggar	Publisher.....	Mike Flannigan
Historian.....	David Tjiok	Refreshments.....	David Tjiok
Publicity.....	Bobbie LeFebvre	Education/Field Trips.....	Ed Tindell

Membership Dues Jan. to Dec. 2013: Adult \$10:00, \$5.00 per additional adult at same address, Junior \$5.00, \$2.50 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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