

Pleasant Oaks Gem & Mineral Club of Dallas, TX

Chips and Chatter



July 2016
Vol. 50, Issue 7

1st Place, 2016 SCFMS Mini-Bulletin
1st Place, 2015 SCFMS Mini-Bulletin
1st Place, 2014 SCFMS Mini-Bulletin
1st Place, 2014 AFMS Mini-Bulletin

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Purpose

The Pleasant Oaks Gem and Mineral Club of Dallas is organized for charitable and educational purposes to promote interest in the various earth sciences, particularly those hobbies dealing with the art of cutting and polishing gemstones, the science of gems, minerals and metal crafts, as well as their related fields.

RUBY

Del Grady, Pleasant Oaks Gem and Mineral Club of Dallas

Ruby is aluminum oxide, corundum, and 'RED' colored sapphire. It forms as a six-sided crystal. It has a hardness of 9, a specific gravity of 3.9-4.1, and a conchoidal fracture. Important deposits of facet grade ruby are found in Burma / Thailand, Sri Lanka and Tanzania. Lesser deposits are found around the world, including North Carolina. Low grade ruby is mined for use as an abrasive (RUBY SANDING PAPER, EMERY) and as a refractory material.

There are over one hundred color grades for ruby. Color popularity is dependent upon cultural preferences. Large stones are rare and the most valuable color is pigeon's blood. In the past, light colored stones were called pink sapphire and stones not colored by chrome were not considered a ruby.

Manmade rubies are used as the pivot jewels in high end mechanical watches, dial indicators and in costume jewelry. Boules of corundum are split length wise for stress relief, thus limiting the size of faceted stones.

Tanzania is producing ruby embedded in different materials (green zoisite, fuchsite) that are used to make cabs. Included ruby crystals can produce 6 ray star or cat's eye cab, which have been synthesized (Linde star).



References:

A GUIDE TO ROCKS AND MINERALS by Frederick H. Pough

GEMSTONES of the World by Walter Schumann

GEM and LAPIDARY MATERIALS by June Culp Zeiner

Picture: Ruby Specimen: Rob Lavinsky, iRocks.com, CC-BY-SA-3.0

FIND THE HIDDEN WORD

by Del Grady

A	S	A	B	R	A	S	I	V	E	S	J	Y
C	L	F	U	A	G	I	A	C	I	M	C	T
I	A	U	R	T	R	X	W	N	U	L	O	I
R	T	C	M	S	E	H	Y	O	D	E	R	V
F	S	H	A	I	E	J	T	S	R	I	U	A
A	Y	S	W	I	N	E	E	R	B	L	N	R
C	R	I	I	Y	B	U	R	W	O	I	D	G
O	C	T	O	V	I	P	M	Z	L	N	U	J
S	A	E	R	L	T	H	R	O	D	E	M	U
T	B	P	I	N	K	S	R	I	X	R	R	L
U	S	N	R	E	P	A	P	S	C	I	A	Y
M	D	T	F	A	C	E	T	I	O	E	D	H
E	E	Y	E	S	T	A	C	T	N	E	D	E
E	V	I	T	C	A	R	F	E	R	Y	A	R

ABRASIVES, AFRICA, ALUMINUM OXIDE,
BURMA, CABS, CAT'S EYE, CAROLINA,
CORUNDUM, COSTUME, CRYSTALS, FACET,
FUCHSITE, GRAVITY, GREEN, HARD,
JEWELRY, JULY, LINDE, MICA, NORTH,
PAPER, PINK, PIVOT, PRICED, RAY, RED,
REFRACTIVE, RUBY, SANDING, SIX, STAR,
WINE, WORLD, ZOISITE

Instructions: Find and cross out the all words – they can be forwards, backwards, up, down or on the diagonals. When you have crossed out all the words, the remaining letters will spell out the hidden word.

Editor's Note: Del created this Hidden Word with only the use of AutoCAD to draw the boxes! Nice work!

Answer on page 3

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Pleasant Oaks Gem and Mineral Club of Dallas, TX

Page 2

Visit us: www.pogmc.org

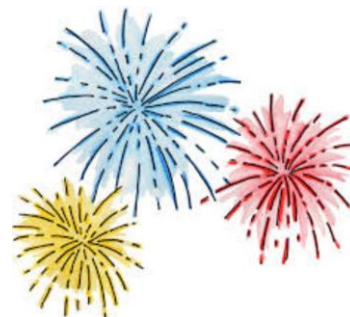
July 2016

“Like” us on Facebook

July Meeting – Spring Creek Barbeque

Our July meeting will be our annual indoor picnic at Spring Creek Barbeque. The meal is Dutch Treat meaning you have to pay for your own – sorry but we need to comply with IRS guidelines to maintain our not for profit status. Still, it is a good time to come out and enjoy some good food and lots of talking with friends. We will start at 7:00 which is 30 minutes earlier than normal!

Spring Creek Barbeque is just north of Belt Line / Main on the north bound US-75 Service Road. If in doubt, it is next to the tall Chase Bank. If you are coming from the south, exit US-75 at the Belt Line Road / Main Street exit and continue through the stoplight at Belt Line / Main. Spring Creek Barbeque is about 0.2 miles north of the light (it is about 1.5 miles from the end of the exit ramp to Spring Creek Barbeque). If you are coming from the north, exit US-75 at the Belt Line Road / Main Street exit and stay to the left. Take the “U-Turn” lane at Belt Line / Main to get to the northbound service road, and then watch for Spring Creek Barbeque (about 0.2 miles on the right). Sometimes parking is difficult at Spring Creek Barbeque at our arrival time. If so, just continue up the service road until you can turn right on Greer or Jackson and the right again on Interurban. Circle back around and park in the bank parking lot – the bank will be closed by then.



Show Calendar - Upcoming Show Dates

Jul 1 – 3, Farmington, NM, San Juan County G&MS, Civic Center, hthrwoods@gmail.com
Jul 2 – 3, Grapevine, TX, Arlington G&MC, Grapevine Convention Center, <http://www.agemclub.org/>
Jul 23 – 24, Mountain Home, AR, Ozark Earth Science, GM&FC, Baxter Cty Fairgrounds, info@gemfaire.com
Jul 30 – 31, Farmers Branch, Cowtown GMGJA, Brookhaven Geotechnology Inst., steve.l.shearin@lmco.com
Aug 13-14, Gonzales, LA, Baton Rouge G&MS, Lamar Dixon Expo Center, www.brgemandmineral.org
Aug 20-21, Bossier City, LA, Ark-La-Tex G&MS, Bossier City Civic Center, www.larockclub.com
Aug 27-28, Jasper, TX, Pine Country G&MS, The Events Center, www.pinecountry-gms.org

Ref:

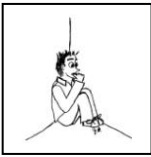
March – April 2016 SCFMS Newsletter

Rock & Gem Show Calendar, <http://www.rockngem.com/show-dates-display/?ShowState=ALL>

Answer to hidden word puzzle on page 2: *3V02S722009 8716*

Visit an Area Club

[Arlington Gem & Mineral Club](#), 1408 Gibbins, Arlington, TX, 1st Tuesday of each month at 7:30 pm
[Cowtown G, M, & Glass Club](#), meets the 2nd Tuesday at 7:00 pm, Corp. Emp. Rec. Association (CERA) 3300 Bryant Irvin Rd. Fort Worth
[Dallas Bead Society](#), meets 1st Saturday of each month at The Point at CC Young, 4847 W. Lawther Dr., Dallas, TX
[Dallas Gem & Mineral Society](#) meets the 3rd Tuesday of each month at 7 pm, American Legion, 10205 Plano Rd, Dallas (next to their shop)
[Dallas Paleontological Society](#), 2nd Wed. of each month at 7:30 pm, Brookhaven College, Building H, 3939 Valley View Lane, 75244
[Fort Worth Gem & Mineral Club](#), 4th Tuesday of each month at 7:30 pm, 3545 Bryan Avenue, Ft. Worth
[Oak Cliff Gem & Min Soc.](#), 4th Tuesday of each month at 7:30 pm, Unitarian Universalist Church, 3839 W. Keist Blvd, Dallas,
[Pleasant Oaks Gem & Mineral Club](#), meets the 1st Thur. of each month at 7:30 pm, Garland Women's Activities Bldg., 713 Austin, Garland,



Editor's Corner – Bring on the Heat

Don Shurtz, Pleasant Oaks Gem and Mineral Club of Dallas

Summer is now officially here, and all indications are that it will be a hot hot hot summer! We will soon have our first triple digit temperature for the year. However, we have had had our first “feels like” over a hundred degrees day, in fact we have had several of them. It is the “feels like” or, more properly, the heat index which determines if we have a Heat Advisory. A Heat Advisory will normally be issued by the National Weather Service if the heat index is predicted to reach 105 to 115 degrees for 3 or more hours on 2 or more consecutive days, if the heat index is predicted to exceed 115 degrees, or if the night time heat index is predicted to be 80 or more degrees for 2 or consecutive nights. We met those criteria for several days running in late June.

As indicated, the heat index is the “feels like” temperature. There are two factors which determine the heat index; air temperature and humidity. The reason that humidity enters the equation is that the body tries to cool itself by perspiration (sweating), but if the humidity is high then the perspiration can't readily evaporate and cool us down. There is a complicated formula for calculating the heat index, but it is much simpler to just look at a table from the National Weather Service (download the PDF chart at http://www.srh.weather.gov/jetstream/downloads/heatindex_rh_f_20x12.pdf) or other on-line sites, or just listen for the heat index on your television or radio weather forecast.

Heat is DANGEROUS! It can lead to heat exhaustion or, even worse, heat (sun) stroke and even death. Heat exhaustion has been known to occur in infants and the elderly just due to the heat alone – no physical activity required. However, if you are physically active out doors on a high heat index day, it can occur. Symptoms include nausea, dizziness, headache, thirst, and excessive sweating. If you think you have heat exhaustion, move to a cool place (even just moving to a shaded area will help), take off any extra layers of clothing, cool off by sitting in front of a fan or using cool wet towels. If not promptly treated, heat exhaustion could lead to heat stroke. Heat stroke is hyperthermia of the body with core body temperatures greater than 105.1 degrees. In addition to high temperature, other symptoms include disorientation and lack of sweating. Treatment is to cool the body core temperature. Cooling can include bathing or showering in cold water, cold compresses to the body, neck, head, and groin, or at least a fan or air conditioner to aid in evaporation of sweat or water (toweling or misting). Hydration (taking in fluids) is important. Water or sports drinks may be a good starting point, but too much water may lead to an electrolyte imbalance. Pedialyte[®] can be helpful in hydration and adding electrolytes. Pedialyte[®] is not just for infants! Also, don't be reluctant to call 911 for emergency help – it could save a life.

Of course the best way to treat heat exhaustion or heat stroke is to take proactive steps to avoid them. If the heat index is way up there, say inside in the air conditioning (going to a mall or a theater is a good option if your air conditioner is broken). If you must work outside, take it easy. Take frequent breaks, drink lots of fluids, and cool down if you start feeling any symptoms. When roofers came last week to do our roof, they were an older crew trying to help out and earn a few extra bucks. At first there were 5 workers, by the end of the day only 2 were still working. The next morning only 3 returned, and basically only the same 2 worked. On Day 1 they had run out of their water and sports drinks about 1:00 in the afternoon and didn't tell anyone. They kept cool by hosing down, but they needed hydration. They only had to mention it and the hydration issue would have been solved.

How does all this apply to rockhounds and our activities? For one thing, we tend to be a hobby of senior citizens with a smattering of younger members mixed in. We all need to take care and watch for symptoms. Field trips should be planned for the months with historically milder temperatures. If you do go on that trip in the summer months, try to plan to do the strenuous activities in the cooler hours of the morning or evening. However, even the cooler temperatures may not be enough – the moisture is all ready in place, so in the morning the relative humidity is even higher, thus it is harder to cool down from just sweating. If you have to hike to your area, take plenty of water (along with sun screen, insect repellent, etc.). Take frequent rests and keep yourself as cool as possible. Better yet, do it earlier or later in the year.



President's Message

Ling Shurtz, POGMC President

It has been a good couple of months for with 5 new members, Cheryl in May and Casey, Dawn, Stephanie and junior member JJ in June. I believe that our new June members enjoyed their first meeting by learning how to make a gem tree. July will be our traditional Barbeque Dinner (Dutch Treat) at Spring Creek Barbeque. A table has been reserved, and we will have a nice door prize. See you there.

Club Officers for 2016

President: Ling Shurtz
1st VP, Programs: Carolyn Grady
2nd VP, Field Trips: Open
Secretary: Lee Elms
Treasurer: Del Grady
Editor: Don Shurtz
E-mail: don.shurtz@gmail.com, l.shurtz@gmail.com

Minutes of the June 2016 Meeting

The June 2nd 2016 club meeting was called to order at 7:30pm by Ling Shurtz.

The Pledge to the flag was led by Don.

Sunshine report:

Butch had surgery on the 25th and 26th for Cancer and Back issues.

Lee was unable to attend due to eye problems.

Visitors:

Casey Montgomery

JJ and Stephanie Goode and Dawn Reneau

Minutes: We discussed the minutes of the May meeting that were printed in the Chips and Chatter. A motion to accept the minutes was made by Carolyn. The motion was seconded by Warner. The motion passed.

Treasurers' Report: Del Grady gave the Treasurers' report. A motion to accept the Treasurers' report was made by Warner. The motion was seconded by Carolyn. The motion passed.

Old Business:

Chips and Chatter

Pleasant Oaks Gem and Mineral Club of Dallas, TX

IGEM show committee had no report

AFMS Endowment Fund tickets can be purchased from Joyce Speed, 460 Wisteria Dallas, TX 75211, 214-337-9446 or email llispeed2@gmail.com

New Business:

We discussed the location for the July 7th meeting. A motion was made by Warner and seconded by Don to hold our meeting at Spring Creek Barbeque in Richardson starting at 7:00.

After the break Ling Shurtz led a class on making of Gem Trees. With glue flowing and despite sticky fingers, a number of first-time gem trees were completed. Thanks go out to Ling for providing the materials and helping all with their first tree.

New members:

Casey Montgomery

JJ and Stephanie Goode and Dawn Reneau

We closed out the silent auction. Carolyn had the high bid for the quartz specimen. There were no bids on the penny-weight scale so it was moved to the door prize raffle.

After our presentation we had our door prize raffle.

The meeting was adjourned at 8:45 pm.

From notes by Don and Ling Shurtz

Meetings

The July 7th meeting will be our annual indoor picnic at Spring Creek Barbeque in Richardson starting at 7:00 PM (note earlier start time) – see page 3 for details.

The August 4th meet will be back at the Garland Women's Activities Building starting at 7:30 PM

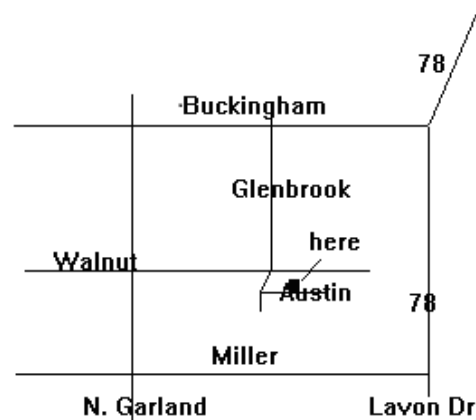
VISITORS ARE ALWAYS WELCOME

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PLEASANT OAKS GEM and MINERAL CLUB of Dallas



<p>Meetings First Thursday of each month, 7:30 PM Garland Women’s Activities Building 713 Austin St., Garland, TX (Northeast corner of Austin & Glenbrook)</p>
<p>Membership Single Adult: \$16.50, Junior: \$5.00, Family: \$27.50 (Plus badge fee for new members)</p>



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CHIPS AND CHATTER

Pleasant Oaks Gem & Mineral Club
 PO Box 831934
 Richardson, TX 75083-1934

To

VISITORS ARE ALWAYS WELCOME

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