

## The greatest dinosaur story ever told...



This is a true-life adventure story about one of the greatest dinosaur discoveries and excavations in paleontological history. The story chronicles the struggles and battles of the two amateurs, Cephis Hall and Sid Love, who accomplished the magnificent feat. The two men battled both nature and man over possession and ownership of the dinosaur for almost a decade.

The saga of Cephis Hall and Sid Love narrates the triumph of the underdog over super-powerful forces and relates the similarities between the vast private timberland holdings of modern forestry companies to the royal forests owned by the kings and nobility of medieval Europe.

This book is dedicated to all amateur paleontologists, rockhounds, naturalists, and gem and mineral collectors -- especially to the memory of Sid Love, one of the greatest naturalists in American history.

Hear Russell Ferrell at Pleasant Oaks Gem and Mineral Club's November Meeting. Thurs. November 3<sup>rd</sup> 7:30 pm Garland Women's Building.

# Pleasant Oaks Gem & Mineral Club of Dallas, TX

## Chips and Chatter



*November 3, 2011*  
*Vol. 45, Issue 11*

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Check our website [www.pogmc.org](http://www.pogmc.org)  
 for past months issue of the  
Chips and Chatter

### 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, in particular 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.

### Monthly Meeting

POGM meet the First Thursday each month at 7:30 pm at the Garland Women's Activities Building, 713 Austin, Garland, TX, (Northeast corner of Austin & Glenbrook).

### Club Officers for 2011

President: Del Grady  
 1st VP: Mark Carter, (972) 680-9223  
 Secretary: Lee Elms  
 Treasurer: Don Shurtz, (972) 509-2821  
 Editor: Anita Dresner  
 E-mail: ..... anitadresner@rocketmail.com

**Chips and Chatter Deadline:**  
**The 3rd Thursday of each month**

## September 2011 Minutes from the Secretary

POGM Secretary: Lee Elms

**President:** The September, 2011 meeting was called to order at 7:35 pm by President Del Grady. The Pledge of Allegiance to the Flag was led by Mark Carter.

**1<sup>st</sup> VP:** Mark Carter said we will have a guest speaker for next month's meeting. His name is Russell Ferrell and he is all about fossils and Paleontology. Bring as many guests as you can to this meeting.

**Secretary Report:** The minutes of the September meeting were published in the *Chips and Chatter* and we voted unanimously to approve the minutes as published.

**Treasurer Report:** The Treasurers report was unanimously accepted.

**Sunshine Report:** Butch and Pattie weren't at the meeting tonight because they were up in Oklahoma selling jewelry at a well known Casino.

**Old Business:** We thanked Don and Ling Shurtz for the good job they did on the table at the Earth Science Fair at Brookhaven. Don said he could use some donations of tumbled stone to give away at the next show.

**New Business:** The nominating committee said all of the current officers have volunteered to continue thru next year. So we voted and accepted the current officers for next year.

The December Christmas party is coming up, and we might possibly have it at Spring Creek Bar-B-Q.

**Field Trips: Upcoming:** On October 22<sup>nd</sup> Arlington is having a Beadfest.

**Report:** Del went to the rock sale at Keith Harmon's' house and he picked up two real good pieces of blue lace agate. He has already slabbed it, and donated a piece of it for tonight's' raffle table.

**Refreshment Break:** Many thanks to those who provided our refreshments this evening.

**Program:** Our program for the evening; a DVD that Mark has from the Travel Channel featuring Kirsten Gum. It was titled The Thomas Range in Utah, Topaz Mountain. Kirsten went to the Topaz Mountain to dig for Topaz. The Topaz there is a nice amber color. This mountain is open to the public, and you can beat the rocks open looking for the Topaz nodules, but you can't use dynamite. Kirsten worked all day real high up on the mountain with her guide, and she found some really nice Topaz clusters. The next day, she took her Topaz to a store near the mountain and made a necklace and some earrings; the other Topaz she mounted on Plexiglas display blocks. Next, Kirsten went up to Alaska to pan for gold. She panned for it, dredged for it, and also used a metal detector to find the gold nuggets. The show had been filmed several years ago because the price of gold was only about \$300 to \$400 an ounce. I think the market price of gold as of today is around \$1,300 per ounce. We really enjoyed watching these adventures and afterwards we found out that both Mark Carter and Warner have been up on Topaz Mountain hunting for some choice crystals.

Our raffle table had some very pretty specimens to win. Warner donated 2 sapphire beryl's and Del had donated the pretty blue lace agate slab and some palm wood.

The meeting was adjourned at 9 pm.

## Editor Message

Anita Dresner *Chips and Chatter* Editor

I am looking forward to receiving loads of filler, tall tales, rockhounding reports, etc. from each of you. Tell us about the first time you made a piece of jewelry, cut a stone, or even went rockhounding. It is all so intriguing to hear about. Won't you share with us?

## November's Birthstone of the Month Citrine

*Chips and Chatter* Editor, Pleasant Oaks Gem and Mineral Club

Citrine is believed to help the heart, kidney, digestive tract, liver and muscles. It promotes creativity, helps personal clarity and eliminates self-destructive tendencies. The gemstone Citrine is the official birthstone for the month of November as adopted by the American National Association of Jewelers in 1912. It is also the Planetary stone for the Sun Sign of Virgo and the accepted gem for the 13th and 17th wedding anniversary. See the [birthstone tables](#) for additional references to this stone or [citrine jewelry](#).



Citrine is a variety of quartz ranging in colors of yellow, yellow-brown, orange, dark orange-brown, reddish-brown. Citrine crystals can form together with amethyst or smoky quartz to form a bi-colored quartz called ametrine. Almost all citrine that is available on the market today is heat-treated amethyst. Natural citrine is pale yellow to pale orange, much lighter than the heat-treated material which is dark orange-brown to reddish-brown. All of the heat-treated material has a red tint, while natural citrine does not. Some amethyst deposits have been found where the amethyst was changed naturally by high temperatures to brown citrine.

Most citrine comes from Brazil, but almost all of the Brazilian material is heat-treated amethyst. Natural citrine can also be found in the Ural Mountains of Russia, in Dauphine, France, and in Madagascar. The inexpensive low grade amethyst is heated at high temperatures to produce the popular orange, reddish and sherry colored citrine. Darker colors are considered more valuable, including the medium golden orange and dark sherry-colors. Citrine may be mistaken for the more expensive orangish-yellow topaz and, at times, may be sold as topaz by dishonest gemstone vendors. Due to this, citrine buyers are sometimes suspicious of any citrine and think it may actually be fake topaz.

Citrine is a 7.0 on the [Mohs scale](#) of hardness.

Reference: <http://www.bernardine.com/gemstones/citrine.htm>

Picture: [http://www.paraibainternational.com/product\\_info.php?product=2860](http://www.paraibainternational.com/product_info.php?product=2860)

### 2011 Shows

#### NOVEMBER

**5-6 AMARILLO, TX:** Golden Spread Gem & Mineral Society Annual Show; Amarillo Civic Center-Regency Room, 401 S Buchanan Street; Sat 10-6, Sun 10-5; adults \$3, children under 12 free; prehistoric, outer space, down under, precious, unusual, cheaps, artifacts, valuables, jewelry, Indian jewelry, beads, displays; contact Wanda Finley, 9170 FM 1151 Claude, TX 79019, (806) 944-5464; email: [finfran@midplains.coop](mailto:finfran@midplains.coop)

**5-6 MIDLAND, TX:** MGMS Annual Show; Midland Center, 105 N Main Street, corner of Wall & Main; Sat 9-6, Sun 10-5; \$4 adults; students 6-18 \$1; 5 and under free; dealers, demos, exhibits, silent auction, kids' corner, geode cutting, fluorescent mineral rm; Tom Wurster, PO Box 5043, Midland, TX 79704, (432) 682-6258 (432) 682-6258 or (432) 230-2566 (432) 230-2566; email: [show@midlandgemandmineral.org](mailto:show@midlandgemandmineral.org); Website: [www.midlandgemandmineral.org](http://www.midlandgemandmineral.org).

**11-13 HUMBLE, TX:** 58<sup>th</sup> Annual Show; Humble Civic Center, 8233 Will Clayton Pkwy; Fri & Sat. 9-6, Sun 10-5; adults \$7, srs/students \$6, 12/under free; displays, working exhibits, fluorescent mineral exhibit, Rock Food Table, swap area, 40 + dealers, minerals, fossils, jewelry, slabs, rough, spheres, meteorites, beads, petrified wood slabs; Theresa Peek, HGMS, 10805 Brooklet, Houston, TX 77099, (281) 530-0942; email: [show@hgms.org](mailto:show@hgms.org); Web site: [www.hgms.org](http://www.hgms.org)

**19-20 DALLAS, TX:** 54<sup>th</sup> Annual DGMS Show "The Crystal Craze", Saturday, 19<sup>th</sup> 10-6; Sunday, 20<sup>th</sup> 10-5, Rodeo Center Exhibit Hall, 1800 Rodeo Drive, Mesquite, TX 75149, (1-635 @ Military Parkway, Exit 4) Adults: \$8, 12/under: \$3, 3/under : FREE! Family 4+: \$20, Scouts/Leaders in uniform FREE, Silent auction, demonstrations, exhibits, kids' corner, geode cutting, fluorescent mineral room, door prizes, grand prize, dealers, rough, slabs, cabs, equipment, finished jewelry, Rock Food table.

#### DECEMBER

**2-4 EL PASO, TX:** El Paso Mineral & Gem Society Annual Show; El Maida Auditorium, 6331 Alabama; Fri & Sat 10-6, Sun 10-5; adults \$3, seniors \$2, students \$3, children (under 12) free; gems, minerals, fossils, beads, jewelry, tools, books, equipment, geode cutting, silent auction, demonstrations; contact Jeannette Carrillo, 4100 Alameda Avenue, El Paso, TX 79905, (915) 533-7153 (915) 533-7153 ; email: [gemcenter@aol.com](mailto:gemcenter@aol.com); Website: [epmgs.com](http://epmgs.com)

## Article of the Month: What are Rhinestones?

Don Shurtz: Pleasant Oaks Gem and Mineral Club

So here we go with another one of those cross-word puzzle words. What are fake, glittery gem stones? As rockhounds, when you think of fake stones you think of synthetic stones like synthetic opal, synthetic emerald, synthetic diamonds, cubic zirconium, and the like. But years ago, before you were a rockhound, you knew the answer was Rhinestones.

What are Rhinestones? They are small, shiny bits of resin, glass or plastic. But have you really ever looked at one. They look like they are faceted stones – nice uniform facets that are well polished. And for the most part, they are. They may be cast plastic or glass in the shape of a faceted stone, but they are still smoothed and polished. Years ago if they wanted them to be glittery, they backed them with thin, shiny foil which drastically improved their appearance. These days instead of foil they just spray on a metal backing, but it yields the same effect. They are produced by the hundreds of thousands. They show up in costume jewelry, clothing design, hats, and about a million other products. For an outer piece of clothing that they want to have a shiny, glimmering effect they use sequins. But if they want an even more spectacular effect, they can swap out the sequins and use rhinestones.

Part of the cross-word puzzle clue was that they were fake. However, Rhinestones have not always been fake or man-made. The original Rhinestones were small bits of clear and colored quartz found on the Rhine River in Europe. The quartz was clear and without inclusion or cracks, so it could be faceted. They may have been made to look like a small diamonds, but they were a naturally occurring stone. In 1775, the Alsatian (now a part of France) jeweler George Friedrich Strass developed a technique to coat the back sides of the stone with powdered metal to increase the stones reflectivity and more closely imitate a diamond. To this day, what we call rhinestones are called Strass stones in many European countries.

Rhinestones were originally cut by hand. In 1891, Daniel Swarovski invented a machine to automatically cut and polish glass, leaded glass (crystal), and stones of similar hardness. This allowed many more rhinestones to be manufactured. Swarovski also developed a technique to vacuum plate copper and silver onto the back of the stones to improve their brilliance. Swarovski may have started out making Rhinestones, but today the company is noted for their crystal figures and carvings. If you can come up with some of the original Swarovski Rhinestones, you could have a small fortune in your hand.



Rhinestones on a tiara

Ref:

- Antique Jewelry Investor, <http://www.antique-jewelry-investor.com/history-of-rhinestones.html>
- History of Rhinestones & General Information, <http://reviews.ebay.com/History-of-Rhinestones-amp-General-Information>
- Rhinestone, <http://en.wikipedia.org/wiki/Rhinestone>
- Picture of Rhinestones on a tiara from <http://en.wikipedia.org/wiki/Rhinestone>

### Bench Tips

Brad Smith: <http://groups.yahoo.com/group/BenchTips/>

When bezel setting a transparent cabochon in silver, I worry that the silver will tarnish under the stone and will destroy the brilliance of it's color & pattern. So, I take one extra step before setting the stone. I place a piece of thin silver Mylar plastic under the stone to act as a mirror that will never tarnish.

This Mylar is readily available in craft and gift wrap stores, or in a pinch from a party balloon supplier. You may want to experiment with using colored or patterned Mylar (i.e. diffraction pattern) under some stones.

## TXI Field Trip Report: August 20<sup>th</sup>

By: David Dobson

Well, we had another great field trip Saturday August 20th, 2011. Our destination was the TXI Cement Plant Quarry in Midlothian, TX for a fun time to collecting pyrite, calcite, septarian nodules, and marine fossils including sharks teeth, ammonites, baculites (straight ammonites), and shells molds. The age of these specimens are about 90 million years old.

Leaving that morning at 6:00 am for our 7:45am meeting time, the sky was still dark. We scheduled an early start time as the weather was expected to get up into the high 90s. At 6 am, it was 82 and when we left at 11 it was 89.

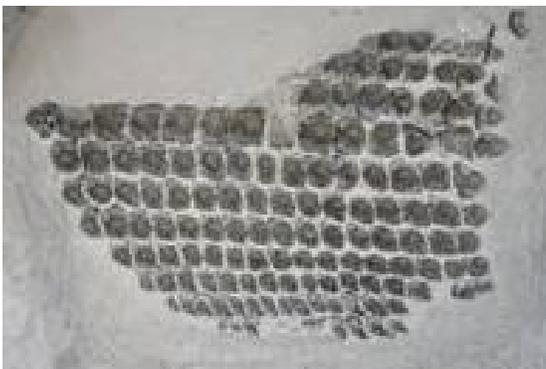
Our limited attendants list for this trip was full almost immediately after the email went out. With 25 people signed up all showed up. We had a great turn out! Here, to the right, are some of the wonderful specimens found. Notice the very nice Ptychodus Sharks tooth in the upper left.



This was a kid friendly field trip with many in attendance. We also had several new rockhounds who caught the rockhound bug. While out in the quarry, we were laughing watching a father with two small boys (5 -7). Each boy was squealing each time they found a new specimen, Exclaiming, "Dad, this is really cool". This enthusiasm continued for these boys the whole field trip. One who attended shared this note me. He also noted that everyone sounded like them during our first hour. :)

As a first time for rock collecting for one woman could not stop picking up pyrite. It was great talking and watching her say I am leaving as she bends over to pick up another piece of pyrite. One hour later when the field trip was concluded she picked up her last piece. I have been there many times myself.

What can be found and how to find them: The marine fossils including sharks teeth, ammonites, baculites (straight ammonites), and shells molds can easily be found by looking for the small black dots scatter throughout the quarry. These black dots are phosphate nodules. Over time the phosphate fossilizes the deceased marine remains or fills in the hollow cavities left behind from clams or other shells to leave a mold of their cavities.



I walk until I find an abundance of these black dots in a small area. Then I get on my hands and knees and scour the phosphate nodules looking for the fossils or molds. At each of the areas one should find something. A tiny part of a sharks tooth can be found. I may also break apart some of the rocks nearby containing these nodules to see if something may be waiting for me to find inside. I usually don't have much luck breaking the rocks apart, but I once found a nice 3/4" Ptychodus Sharks tooth. In the layers above the marine fossils one can find pyrite, calcite, septarian nodules. The pyrite is everywhere and even one who is not told how to find these beauties will find some great specimens by accident.

And now for the grand finale; one of our 9 year old young rockhounds found these specimen. This was found on our field trip at this location about 6 months ago. He found 20 teeth exposed and the remaining ones were uncovered with some help from a local paleontologist. Now, please wipe the drool from your chin. I schedule these trips about twice a year. Hope to see you in six months for the next TXI field trip.

**CHIPS AND CHATTER**  
**Pleasant Oaks Gem & Mineral Club**  
**PO Box 831934**  
**Richardson, TX 75083-1934**

FIRST CLASS MAIL



To:

5<sup>th</sup> Place AFMS 2007 small bulletins  
1<sup>st</sup> place SCFMS 2006 small bulletins  
9<sup>th</sup> place AFMS 2006 small bulletins  
3<sup>rd</sup> place SCMS 2005 small bulletins  
3<sup>rd</sup> place, AFMS 2005 small bulletins  
1<sup>st</sup> place SCFMS 2004 small bulletins  
HM AFMS 2004 small bulletins  
2<sup>nd</sup> place SCFMS 2003 small bulletins

### Area Clubs

Arlington G&M Club, 1st Tuesday of each month at 7:30 pm, 1408 Gibbins, Arlington, TX  
Pleasant Oaks Gem & Mineral Club, Garland Women's Bldg., 713 Austin, Garland, meets the 1<sup>st</sup> Thur. of each month at 7:30 pm  
Lockheed-Martin Stone Steppers, 3400 Bryant-Irving Road, Fort Worth, meets the 2<sup>nd</sup> Tuesday at 7:30 pm  
Dallas Gem & Mineral Society, 10205 Plano Rd, off of Plano Rd, Dallas, TX, meets the 3<sup>rd</sup> Tue. of each month at 7 pm  
Oak Cliff Gem & Min Soc., South Hampton Community Hospital, 2929 S. Hampton Rd, Dls, TX, 4<sup>th</sup> Tue. each month at 7 pm  
Fort Worth Gem & Mineral Club, 3545 Bryan Avenue, Ft Worth, TX, meets the 4<sup>th</sup> Tuesday of each month at 7:30 pm  
Dallas Paleontological Society, EMGI (Bldg. H, Brookhaven College, 3939 Valley View Lane, 75244), 2<sup>nd</sup> Wed. ea. month at 7:30 pm

## **PLEASANT OAKS GEM and MINERAL CLUB**

First Thursday of each month, 7:30 PM  
Garland Women's Activities Building  
713 Austin, Garland, TX  
(Northeast corner of Austin & Glenbrook)

### **MEMBERSHIP**

Single Adult: \$16.50,  
Junior: \$5.00; Family: \$27.50  
(Plus badge fee for new members)

### ***Program Presentation***

**It is always a great time at our POGM meeting,  
Please come join in the fun and learning about  
Rocks, Gems and Minerals and Fossils.**

### **Member of**

South Central Federation of Mineral Societies

### **Affiliated with**

American Federation of Mineral Societies