

Pleasant Oaks Gem & Mineral Club of Dallas, TX

Chips and Chatter



July 3, 2008
Vol. 42 Issue 6

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Workshop, Meeting, etc.

- Check out our website for a color version of the Chips and Chatter
- Open Shop: Each Monday - 5:30 pm – 9:00 pm, and each Saturday - 9:00 am – Noon
- Check the calendar for class schedule.

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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, 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

(see Picnic note for July 3)

Monthly Meeting: Thursday, July 3, at 7:30 pm Garland Women's Activities Building
713 Austin, Garland, TX

Presentation

No report at print time

Club Officers for 2007

President:	Donnette Wagner
1st VP:	Mark Carter, (972) 680-9223
2nd VP:	Donna Mallory
Treasurer:	Don Shurtz, (972) 509-2821
Secretary:	Nell Black
Editor:	Anita Dresner (972) 475-5828
	E-mail: andresner@verizon.net

Minutes – April, 2008 General Meeting

Nell Black, Secretary, Pleasant Oaks Gem and Mineral Club

June, 2008 Meeting minutes of Pleasant Oaks Gem and Mineral Club were submitted to the Editor but was corrupted and unable to use.

July 3 Meeting Information

Mark Carter, 1st VP, Pleasant Oaks Gem and Mineral Club

PICNIC July 3 at 7:00 PM PICNIC

I have reserved a large table at *Spring Creek Barbeque* (Central Expressway-Richardson) at 7pm. From the north going south on US-75 take the Belt Line Rd exit, continue down the Frontage Road and take the U-Turn at Belt Line. Go north a few buildings (*240 N Central Expressway*) and you are there.

From the south going north on US-75 take the Belt Line Exit. Continue north on the Frontage Road and through the stoplight at Belt Line. Again, a few buildings north and you are there. Watch for the big sign!

2nd VP Report

Donna Mallory, Trips and Classes, Pleasant Oaks Gem and Mineral Club

There are several classes being organized for the shop. Please get in touch with me if you need a Qualifying Class. You must pass the Qualifying class before you are allowed to use the shop equipment. You may sign up to take classes not related to using the shop equipment as well. The shop is also looking for teachers. If you can teach any rock or jewelry related class, please let me know. If you need (or want) rocks, don't miss Joyce and Delbert Speed's backyard sale, it will be better than a field trip.

Class Schedule Updates

Tray Bradford, 2nd VP, DGMS

Dallas Gem and Mineral Society is in the process of creating a new updated class schedule. They have new coordinators, Jack and Beth Spinks and they are doing a great job of putting together the schedule. However, unless there is someone that wants to step up and share their knowledge of a particular talent we may lose that particular art form. If you are interested in taking or teaching a class, you can reach the Spinks at jfspinks@sbcglobal.net or Mollie Cutting, DGMS Secretary at; mollie_cutting@sbcglobal.net, or POGM's own Donna Mallory, 2nd VP. Contact any one of these individuals for the class you desire to take or teach for class start date. Q Classes are being scheduled one right after the other because of high demand.

Refreshment Duties

Anita Dresner, Editor, Pleasant Oaks Gem and Mineral Club

<u>Month</u>	<u>Ice & Drinks</u>	<u>Snacks</u>
<i>July</i>	<i>Picnic</i>	<i>See notice</i>
<i>August</i>	<i>Need Volunteer</i>	<i>Need Volunteer</i>

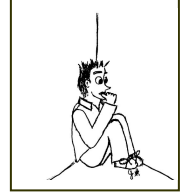
POGM Show Report

Ling Shurtz, Chairwoman, Pleasant Oaks Gem and Mineral Club

The confirmed show dates for 2008 is September 19, 20, 21 at the EMGI on the Brookhaven Campus. Ling stated almost all of the booth spots are signed for. The club has approval for purchase of Amethysts Cathedral from Gemstone Material Interiors (GMI - Danny Duke) for the Pleasant Oaks Show Grand Prize in the amount of \$150.00. WOW what a fantastic Grand Prize!

Editor's Corner

Anita Dresner, Editor, Pleasant Oaks Gem and Mineral Club



Hello Club,

Happy 4th of July everyone! May we, our nation, always be true to itself, keeping freedom alive that each and every American Serviceman and Servicewoman has fought to protect - many giving their lives for it!

May we guard our Liberty & Justice and our Declaration of Independence today and forevermore.

Sunshine Report

Anita Dresner, Editor, Pleasant Oaks Gem and Mineral Club

Charles Black had open heart surgery on May 6th, this made his third open heart surgery. He was dismissed on May 17th. On May 26th (Memorial Day), Charles was taken back to the hospital bleeding internally because of the blood thinner. Dr. Park, his heart doctor told me he didn't think Charles would live throughout the night. However, Charles has made it this far and is improving a little each day but is not out of danger yet. Please request prayer for Charles and I will try and keep you informed on his progress. Nell Black

Anyone caring to mail a card or visit Charles may do so at this address: Charles Black, Select Specialty Hospital, 2329 W. Parker Rd., Carrollton, TX 75010

Getting to Know You

Donna Mallory, Pleasant Oaks Gem and Mineral Club Member

My name is Donna Mallory and I am your 2nd Vice President. I am married to Noble Field and we have five sons, and eight grandchildren. I was born and raised in Dallas County, and have been in the same house 51 years. I have always liked pretty rocks and jewelry. I came to the POGMC after meeting Charles Black at an INTERGEM show with his fabulous wire wrapping. Currently, I am concentrating on learning faceting. I went to class in Arlington from September through May and will start back again in September. I like to travel and collect rocks from each place. Someday, I'll be able to use all these rocks around my pond. My other hobbies include fiber arts, medieval reenactment, and birds. I also like to spoil my granddaughter rotten.

Aphorisms

Money will buy a fine dog;
but, only kindness will make him wag his tail.

Be careful reading the fine print.
There's no way you're going to like it.

Question of the Month - What is marble

Don Shurtz, Treasurer, Pleasant Oaks Gem and Mineral Club

What is marble? Marble is a metamorphic rock composed of stones that were originally limestone or dolostone (aka magnesium limestone). Limestone is composed of calcite [CaCO₃] and was covered last month; dolostone is a stone composed mainly of the mineral dolomite [CaMg(CO₃)₂]. Metamorphic rocks are those rocks that have been physically or chemically changed by heat and/or pressure. In the case of marble, the chemical composition is not changed (that is, marble is still a form of calcite or dolomite) but the base mineral has been re-crystallized into larger crystals. Limestone has a Mohs hardness range of 2.0 to 5.0 while marble has a Mohs hardness range of 3 to 6. The base mineral, calcite, has a Mohs hardness of 3.0. Whereas limestone is generally rough and has a gritty feel, marble is smooth and has a greasy feel. Limestone is generally not used as a lapidary stone, but marble, although somewhat soft for jewelry, can take a very nice polish. If you want to see polished marble, check out the counter tops at your favorite home products super center. Just be careful not to confuse the marble with granite, granite will be smooth and polished but you should be able to see grains and crystals in it; but, the marble will be smooth with batches of color swirled through the stone with not visible crystal or grainy structure.

Pure calcite form white marble. Other materials (read as impurities), such as silt, pyrite, hematite, clay, or chalcedony, in the host material cause the colors. But, how do the swirls form? I could not find a good reference, but I do have a theory. To convert the calcite into marble, you must melt the calcite and then let it re-crystallize. The heat will also melt the clays, pyrites, chalcedony, and other materials. This would form blobs of color. But, there also must be movement of the molten mass – movement caused by thermal cycling (hotter materials rising) or ground movement.

Because the impurities in the calcite have different masses, they would move at a different rate. It is not hard to imagine swirls forming from the movement and eddies as the two different materials move at different speeds. However, this is just my theory, if anyone has a better theory I would like to hear about it.



Marble is used extensively in the building industry. Above, we mention the use of marble for countertops. Marble is also used as an external veneer for many buildings, and in older days blocks of marble were used for exterior building construction as the primary structural and exterior elements. Also, marble and limestone are both ground up to form powdered calcium carbonate, and this is used in paper making paper (filler, brightness, and strength), in toothpaste, as filler materials for medications, in paints (filler), in baking, and a variety of other products. About 75 percent of the calcium carbonate used in industry comes from ground marble.

Where would you find marble in Texas? How about Marble Falls? Marble Falls would be a good guess, but wrong. The town was named after a 20 foot water fall that fell over a ledge of material that resembled marble, but was in fact granite. The falls and the granite ridge the water fell over are now buried in the Lyndon B. Johnson Lake. However, the Hill country of Texas would still be the proper spot to be looking for marble. According to the Mineral Industry of Texas, there were 28 quarries producing marble in 1996, 20 in '97, and 34 in '98. Most of the marble quarried in Texas, as with most quarried marble, is ground to form calcium carbonate for commercial uses other than marble for construction.

Ref:

Marble, <http://commons.wikimedia.org/wiki/Marble>

Marble, <http://en.wikipedia.org/wiki/Marble>

The Mineral Industry of Texas, <http://minerals.usgs.gov/minerals/pubs/state/984898.pdf>

The Mineral Industry of Texas, <http://minerals.usgs.gov/minerals/pubs/state/984800.pdf>

Stone Types, <http://www.tileanddesign.com/images/stypes.pdf>

Chips and Chatter

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July 2008

Pleasant Oaks Gem and Mineral Club of Dallas, TX

Visit our web site: www.pogmc.org

July 2008						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1	2	3 7:30 pm Pleasant Oaks Club Mtg	4	5 9 am – Noon Open Shop	6
7 5:30–9:30 pm Open Shop	8	9	10	11	12 9 am – Noon Open Shop	13
14 5:30–9:30 pm Open Shop	15	16	17	18	19 9 am – Noon Open Shop	20
21 5:30–9:30 pm Open Shop	22 7:00 pm Dallas Gem Club Mtg	23	24	25	26 9 am – Noon Open Shop	27
28 5:30–9:30 pm Open Shop	29	30	31			

Show Dates

August 23-24; Pine Country Gem and Mineral Society, VFW Hall, 7 miles west of Jasper, TX.

August 30-31; Arlington Gem and Mineral Society Show, Arlington Convention Center

September 20-21; Pleasant Oaks Gem and Mineral Society Show EMGI at Brookhaven College

October 11 & 12; The Fall Earth Science Fair, will have Free admission, Free parking, and a friendly welcome to all. Flyers will be sent in the Fall. Mark your calendars now, so you won't miss the next Rock Swap. It should be an exciting and fun day.

October 18th; The DGMS Fall Rock Swap

Metroplex Gem and Mineral and Related Clubs

Texas School of Earth Science (Arlington G&M Club) meets the 1st Tuesday of each month at 7:30 PM at 1408 Gibbins, Arlington

Pleasant Oaks G&M Club meets the 1st Thursday of each month at 7:30 PM at Garland Women's Bldg., 713 Austin, Garland.

Lockheed-Martin Stone Steppers, 2nd Tuesday at 7:30 PM, 3400 Bryant-Irving Road, Fort Worth, TX

Dallas Paleontological Society meets the 2nd Wednesday of each month at 7:30 at Dallas Museum of Natural History, Fair Park.

Dallas G&M Society meets the 3rd Tuesday of each month at 7:00 PM at Ridgewood Rec. Cntr, 6818 Fisher Rd, Dallas.

Dallas Bead Society meets the 3rd Thur. of each month at 7:30 at Walnut Hill Rec. Ctr., NW corner Walnut Hill & Midway, Dallas

Oak Cliff G&MS meets the 4th Tuesday each month @ 7:00 PM, Renaissance Hospital, 2929 S. Hampton Rd., Dallas, TX, 75224

Fort Worth G&M Club meets the 4th Tuesday of each month at 7:30 PM at 3545 Bryan Avenue, Fort Worth, TX

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



FIRST CLASS MAIL

To:

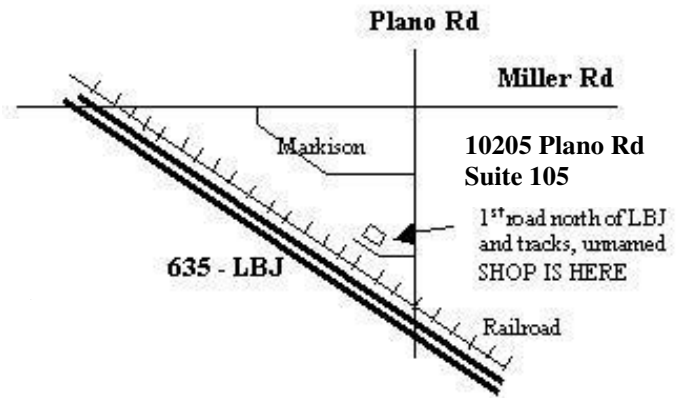
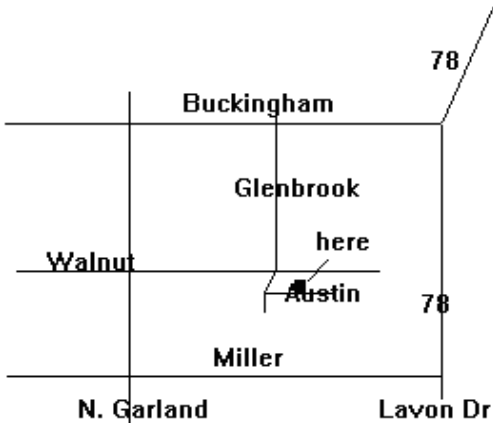
- 1st place SCFMS 2006 small bulletins
- 9th place AFMS 2006 small bulletins
- 3rd place SCMS 2005 small bulletins
- 3rd place, AFMS 2005 small bulletins
- 1st place SCFMS 2004 small bulletins
- HM AFMS 2004 small bulletins
- 2nd place SCFMS 2003 small bulletins

Next Meeting: July 3, 2007 (See Picnic announcement inside) 7:00 PM

PLEASANT OAKS GEM and MINERAL CLUB OF DALLAS

Meeting Map

Club Shop Map for Classes



MEETINGS

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

Member of

South Central Federation of Mineral Societies

MEMBERSHIP

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

Affiliated with

American Federation of Mineral Societies