



Wickenburg Gem & Mineral Society, Inc.

P.O. Box 20375, Wickenburg, Arizona, 85358
E-Mail – wgmsociety@gmail.com
www.wickenburggms.org

*The purpose of this organization shall be to educate and to provide fellowship for people interested in rocks and minerals; to foster love and appreciation of minerals, rocks, gems, and the Earth.
Membership shall be open to all interested people.*

CLUB CHRISTMAS PARTY

DATE: December 5, 2014

TIME: 6:30 pm

WHERE: Coffinger Park Banquet Room
(regular club meeting site)

Ham, turkey, and beverages will be provided by the club. Paper plates, plasticware, and napkins will also be provided.

Bring a side dish and/or dessert to share.

Bring a White Elephant gift for the gift exchange, if you'd like to participate. Wrap up something you no longer want, or that is hideous :-). Optional: indicate whether for a male or female.

Gift Exchange Process: You will be assigned a number, to establish order of gift choosing. All chosen gifts will remain wrapped, until the end of the game. Once you choose a gift, you may keep it — or you may force an exchange for a previously-chosen gift. The first person who chose a gift, will be the last to have an opportunity to force an exchange.

The origin of the "white elephant" gift allegedly harkens back to the King of Siam, who gave rare albino elephants to companions, or advisors, with whom he was not pleased. The "gift" was meant to cause the recipient financial hardship (or ruin), as they struggled with the

WICKENBURG GEM & MINERAL SHOW—OUR SHOW!

Don't forget about the upcoming Gem and Mineral Show, taking place at the Wrangler Activity Center at Hassayampa Elementary School, on Saturday and Sunday, November 29-30, 2014.

There is a need for the following:

- ◆ Help with setup. Setup for the show is Friday (November 28). To help, meet at the school at 8 am to unload the trailer.
- ◆ Help out at the show. Please consider signing up for a 2-hour period — or any amount of time. For more information, call Debbie Keiser at 684-1013. The jobs are very easy:
 - ◆ Greeting people at the door and giving them a door prize ticket
 - ◆ Running the spinning wheel
 - ◆ Helping the kids find gems in sand
 - ◆ Asking guests to vote for the Best Rock people's choice contest.
 - ◆ Selling Raffle tickets
 - ◆ Helping with the food service
- ◆ Enter an unusual or favorite rock in the Best Rock Competition.

This is Your Show — Let's Make it a Great Success!!!

HAPPY THANKS-GIVING!

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Meeting Minutes — November 14, 2014

The meeting was called to order at 7:00 pm by Craig Jones, President.

Guests were Joe & Joanna Monroe, Jim Ebbinghaus and Judy Zimmerlee, and Kelly and Melissa Evans. Approximately 40 were in attendance.

The minutes from October were read and approved. The treasure's report was read by Debbie Keiser and was approved as reported. A letter was read from Madison Mueller, recipient of the scholarship.

Old Business:

Beth will order T-shirts for those wanting them. The price will be \$14 each.

Show: Cards will be placed on each vendor table with their name and thanking them for participating in the show. Setup for the show is Friday. Meet at the storage across from Screammers to load from the storage area at 7 am and at the school at 8 am to unload the trailer. The vendors come in at 11 am to set up. A stove is needed. Craig made a motion to buy a toaster oven if one is needed. Beth will check with Bill at the school to see what can be done. Craig made another motion to buy a stove for the school (for a possible exchange in rental price). Beth needs help getting signs out for the show. There will be a table of rocks for people to handle and discuss. This is the 14th annual Gem and Mineral Show. There are six club member show cases. Debbie explained the flyer that is being distributed, and encouraged members to enter rocks in the "best rock" table.

Karen Coulter thanked the club for the polisher/grinder they received this week and invited everyone to come up to Stanton and use it.

New Business:

Letters have been received from school kids thanking Dale for the rock lesson at Desert Caballeros Museum-sponsored day at Boyd Ranch. Karen thought it would be nice to do one for the Morristown elementary (there was no comment from Dale).

Craig asked if anyone would be interested in running for club offices which are upcoming.

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New Business continued:

Christmas Party: Karen will cook the turkey, and the Joneses will cook the ham for the Christmas party. Everyone is to bring a side dish. The party is at 6:30 pm. On December 5. Everyone bring a white elephant gift for exchange.

Field Trips: Dale has not set a date for the Bagdad trip as he is still trying to find the fluorescent area. Bob Bartlett will help with field trips. We need someone from the Stanton group to do the same. Tom would like a set day of the month for field trips, since they have trouble receiving emails.

Joe Monroe talked about their gem and mineral club in Deming, New Mexico.

There were approximately ten entries for show and tell. Jeanette Bartlett's name was drawn for the prize.

Door Prizes: Melissa Kelley, Dan Roman, Larry Selberg, Karen Coulter

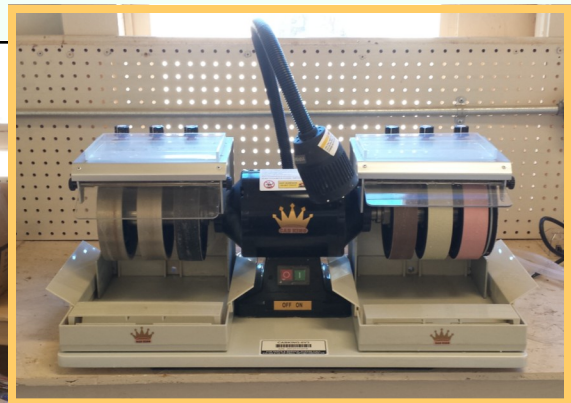
Meeting adjourned at 8:20 pm.

Respectfully submitted,
Sue Jones, Secretary

NEW GRINDER INSTALLED IN STANTON

On November 12, 2014, Sue & Craig Jones and Roma & Marty Hagan presented a new grinding machine to the Stanton division of the Wickenburg Gem and Mineral Society. Craig spent some time demonstrating how to use it, and the Stanton group graciously provided a picnic lunch.

All club members are welcome to use the machine. Be sure to check in at the office, and contact Karen or Bill Coulter for access to the shop.



Club celebrates installation of grinder in Stanton lapidary shop

Top photo and inset: Lapidary shop and new grinder; Center: Craig Jones demonstrates grinder use; Bottom two: Good food tops off a great day, as Stanton members provide a picnic lunch. *Photos by Marty Hagan*



On October 20, 2014, Dale Keiser taught the rocks and minerals sessions for school children attending the Morristown 4th Minerals at the Boyd Ranch. Below are some thank you notes from attendees.

Dear Desert Caballeros Western Museum,

Thank you for bringing Mr. Dale and the Gem and minerals to us. Thank you for teaching us about snakes, gila monster's and about scorpions. Thank you for helping us with cowboy poetry. Thanks for the awesome bandanas. Thanks you for the wonderful day!

Sincerely,
Tenley

Dear,
Desert Caballeros Desert Museum
Thank you for teaching us how rocks are made and where they come from. Thank you for teaching us natural history. Thank you for giving us ideas for our poems. Thank you for the bandana. Cowboy Gary and Dusty were funny. Thank you for the rocks.

Sincerely,
Tracy

Dear Desert Caballeros Western Museum

Thank you Cowboy Gary for bringing Dusty and letting us have fun with Dusty. I liked the natural history and getting to touch the snake skin. I Love the rocks that Mr. Dale brought and thank you for the rocks. Thank you Mr. James for teaching me how to rope for the first time. Thank you for the bandanas you gave us.

Sincerely
Elizabeth



Cows grazing on tailings piles in the Globe area fertilize the ground and contribute micro-organisms, for the successful vegetation of the steep slopes. Tails are very fine-grained and can be a health hazard on a windy day. So far, over 800 acres of tailings, in the area, have been reclaimed in this holistic way.

Dear, Desert cabelleros western museum.

Thank you for having Mr. Dale from the gem and mineral club come and teach us about rocks & leather that if you put a black light over rocks you can see if they glow. Thank you for having Nataly come and teach us about natural history. I learned that little scorpions come at you more than big ones. Thank you for having Melissa and Cowboy James teach us about roping. I learned that you don't turn your wrist when roping. Thank you for having cowboy Gary come and teach us about cowboy history and about Dusty. Thank you for the rocks and bandanas.

Sincerely,
Hunter


UPCOMING AZ MINERAL SHOWS

November 29-30, 2014 - Wickenburg, AZ


Wickenburg Gem and Mineral Show; Hassayampa Elementary School, Wrangler Event Center, 251 S. Tegner; Sat. 9-5, Sun. 10-4; Free admission.

January 9-11, 2015 - Mesa, AZ The Flagg Gem and Mineral Show; Mesa Community College, on Dobson, just north of Rte 60; 9-5 each day; Free admission, free parking, free samples for children.

The tailgate show tradition continues!



43RD ANNUAL FLAGG GEM & MINERAL SHOW



Arizona Gold

JANUARY 9-11, 2015 9AM TO 5PM
MESA COMMUNITY COLLEGE
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 FLAGG MINERAL FOUNDATION
 P.O. BOX 41834
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January 1-February 28, 2015 - Quartzsite, AZ

Desert Gardens Gem and Mineral Show; Desert Gardens Show Grounds, 1055 Kuehn Rd; 8-5 daily; after February 10, vendors are transitional, Free admission, free parking; the largest gem and mineral show in Quartzsite.

January 2-11 & 16-25, 2015 - Quartzsite, AZ

Tyson Wells Rock and Gem Show & Sell-a-Rama; Tyson Wells Shows Grounds, 100 W Kuehn Rd.; 9-5 each day; free admission; dealers from around the world; Web site: www.tysonwells.com

January 16-18, 2015 - Globe, AZ 58th Annual Show; Gila County Gem & Mineral Society, Gila County Fairgrounds; 3 miles northeast of junction U.S. 60; Fri. 9-5; adults \$3, students and children free; more than 40 specimen display cases, children's fossil and mineral specimen dig, fossil program. Web site: gilagem.com

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January 21-25, 2015 - Quartzsite, AZ Pow Wow Gem, Mineral, and Jewelry Show; Quartzsite Improvement Association, 235 E Ironwood Ave.; 9-6 daily, except 9-5 on final day; Free admission, free parking. Web site:

<http://www.giaarizona.org/POWWOW-Show.html>

February - Tucson, AZ mineral/fossil shows

<http://www.xpopress.com/AZ-show-schedule.html>

February 12-15 - Tucson, Gem & Mineral Show

Main show at Tucson Convention Center; 260 S Church St; Th-Sat 10-6, Sun 10-5; Admission \$10, 14 & under free; vendors from around the world; speakers, seminars.. Web site: <http://www.tgms.org/show-2015/>

February 21-22 - Apache Junction, AZ

Apache Gem & Mineral Club; Skyline HS; 845 S Crimson Rd; Sat 9-6, Sun 10-4; Admission \$3, students \$1, children free. Web site: ajrockclub.com

March 12-15, 2015 - Deming, NM

50th Annual Rockhound Roundup; Deming Gem & Mineral Society; SouthWest New Mexico Fairground; 9-5 daily; Free admission, free parking. Field trips Thurs-Sat. Flyer: <http://www.thedgms.com/wp-content/uploads/2014/09/2015-Flyer.pdf>

March 27-29 - Phoenix, AZ

Minerals of Arizona Symposium; Clarion Hotel at the Phoenix Tech Center; northwest corner of Elliot Rd & I-10. Symposium registration fee; but the Mineral Sale is FREE — there will be dealers in several of the hotel rooms: Friday 5-10, Sat 4:30-6 and after dinner.

April 12-13 - Anthem, AZ

Daisy Mountain Rock & Mineral Club; Anthem School; 41020 N Freedom Way; Sat 10-5, Sun 10-4; Admission \$3, seniors & students \$2, children free; parking free.

If you are travelling, a good source for out-of-state (or in-state) gem and mineral shows AND clubs is <http://www.the-vug.com/vug/vugshows.html> or <http://www.rockngem.com/ShowDatesFiles/ShowDatesDisplayAll.php?ShowState=AZ>

For out-of-the-country shows:
<http://www.mindat.org/eventlist.php>

A good source for a list of Arizona Mineral Clubs and contact information is http://whitemountain-azrockclub.org/Public_AZ_Clubs_Links.html

Officers and Chairpersons

- President:** Craig Jones208-523-9355
- Vice President:** Martin Hagan 602-469-7770
- Secretary:** Sue Jones 208-523-9355
- Treasurer:** Debra Keiser 928-684-1013
- Program Director:** Dale Keiser 928-684-1013
- Publicity:** currently open position
- Membership:** Roma Hagan 602-469-7662
- Editor:** Susan Celestian 602-361-0739
- Field Trip:** Dale Keiser & Stan Celestian
- Show Chair:** Beth Myerson 480-540-2318
- Scholarship Chair:** Steve Hill 928-533-3825
- Historian:** Jeanine Brown 928-684-0489

Meetings are held the **2nd Friday** most months at **Coffinger Park banquet room**. Potluck dessert at 6:30 pm. Business meeting at 7:00 pm. **Exceptions: February and December** meetings are held on the **first Friday of the month**. We don't meet in the summer — **no meetings in June, July or August**.

**Membership Dues: \$15.00 Adults per Person
\$ 5.00 Juniors and Students**

Meeting Dates for 2014/15

Wickenburg: Sept 12, Oct 10, Nov 14, Dec 5, Jan 9, Feb 6,
Mar 13, Apr 10, May 8

Wickenburg field trips are usually the Sunday after the meeting.

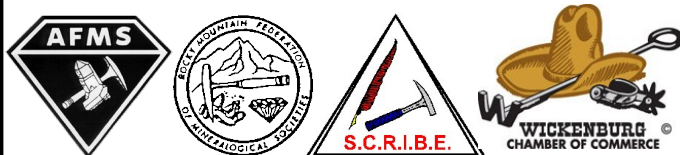
Stanton meets 1st and 3rd Tuesday, Field Trips are 2nd & 4th Tuesday of the month.

NOTES FROM THE EDITOR

Have a geological interest? Been somewhere interesting? Collected some great material? Write a short story (pictures would be great). I take topic suggestions too. **Deadline for the newsletter is the 20th of the month.**

Mail or Email submissions to:
Susan Celestian, editor
6415 N 183rd Av
Waddell, AZ 85355
azrocklady@gmail.com

Wickenburg Gem and Mineral Society is a member of the following:



New Gem and Mineral Club - A new Gem and Mineral club is starting, for people living in Pinal County, places like San Tan Valley, Florence, Coolidge, and Casa Grande. It will be the PINAL GEM AND MINERAL SOCIETY and is formed under the Artisan Village of Coolidge. The first meeting will be Wednesday, December 3, 2014 at 7 PM. The meeting will be at the Artisan Village at 351 N. Arizona Blvd. (Northern Ave. & Arizona Blvd.) Coolidge, AZ 85128. For more information about the club go to www.pinalgemandmineralsociety.org or call Ray Grant 520-251-5419.



UPCOMING WGMS FIELD TRIPS

If there is somewhere you would like to go or something you would like to collect, tell your officers — or volunteer to lead a trip!
Check the website for field trip announcements, especially if you don't have email!

<http://www.wickenburggms.org/>

The website is up and running. If you ever have photos from a club field trip, send a couple to Dale, for posting on the website.

MINERALS IN OUR EVERYDAY LIVES

What is in..... Kitty Litter???



Cats and litter boxes go hand-in-hand. Cat litter once was as simple as sand, dirt, or ashes — most are definitely mineral resources. But it has evolved somewhat, to accommodate characteristics demanded by customers.

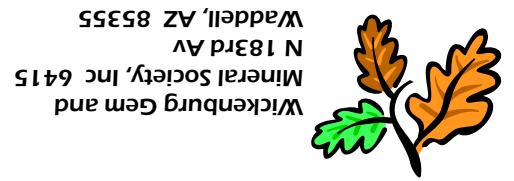
- ◆ Low dust
- ◆ Low odor
- ◆ Clumping or non-clumping
- ◆ Absorbency
- ◆ Low tracking

Non-clumping kitty litter is most often composed of the following, mostly mined, materials:

- ◆ Zeolites/zeolitized volcanic tuff (a family of aluminosilicates with very porous crystalline structure): these minerals readily give up and absorb water, and readily exchange ions—both characteristics making them good for sequestering cat urine and cat box odors
- ◆ Diatomite (a rock composed of diatoms — microscopic, one-celled organisms living within a lacy test, or shell, composed of silica: this material may absorb 1.1 times its weight in liquid)
- ◆ Sepiolite: a type of clay capable of absorbing 2.5 times its weight in liquid. It is composed of elongated crystals that have tunnels. The tunnels and spaces between the crystals act as capillaries that draw in liquids. 0.64 ounces of sepiolite has an internal surface area equivalent to that of a football field!
<http://www.gizmag.com/synthetic-sepiolite-kitty-litter/19214/>
- ◆ Fuller's earth: mix of absorbant clays (palygorskite, bentonite), that can absorb their weight in water); may trap positively-charged ammonium ions, thus exerting some odor control
- ◆ Others: recycled paper, corn, wheat, pine, soybean, beet pulp

Clumping kitty liter is composed of the following, mostly mined, materials:

- ◆ Bentonite (mostly montmorillinite): attracts and firmly holds water to its negatively-charged face; can absorb 5-12 times its weight and swells to 12-18 times its dry bulk, into clumps that act as a clay (i.e. a relatively cohesive mass)
- ◆ Silica gel (made from quartz sand): absorbs water via tiny pores in its crystal structure, and allows water to evaporate



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