

"Stones and Bones" Official Publication of
The Imperial Bone Valley Gem, Mineral and Fossil Society, Inc. (IBVGM&FS)
Editor, P.O. Box 2054 Auburndale, FL 33823

STONES and Bones



MEMBERSHIP MAILING ADDRESS:

Imperial Bone Valley Gem, Mineral and Fossil Society, Inc.
P.O. Box 2054
Auburndale, FL 33823

Imperial Bone Valley Gem, Mineral and Fossil Society, Inc. meets at 7:00 P.M., the second Thursday of each month at the Auburndale Women's Club, 243 E. Lake Ave., Auburndale. The next meeting will be held on Thursday, May 8, 2008. *Visitors are always welcome.*

Check out our website at www.bonevalley.net

MAIL SUBMISSIONS FOR NEWSLETTER TO THE EDITOR
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Editor, Cindy Reed
email: lunaria@tampabay.rr.com
Phone: (863) 644-6665

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Officers For 2008	Statement of Principles
<p>President Cindy Reed 863-644-6665 lunaria@tampabay.rr.com</p> <p>1st VP Barbara Pfaff</p> <p>2nd VP VACANT (also membership chairman)</p> <p>Secretary Laurie Williams</p> <p>Treasurer Jan Liles 863-519-9449 mgjan4gems@verizon.net</p> <p>Board Members</p> <p>Past President Jan Liles 863-519-9449</p> <p>1-Year Term Tom Abel 863-640-2781</p> <p>2-Year Term Kim Price 863-816-0909</p> <p>3-Year Term Jim Reed 863-644-6665</p> <p>Committee Chairs</p> <p>Program Chairman VACANT</p> <p>Corresponding Secretary VACANT</p> <p>Annual Show Jim Reed 863-644-6665</p> <p>Education VACANT</p> <p>Field Trips Kim Price 863-816-0909</p> <p>Historian Juanita Bergfield 863-967-7745</p> <p>Shop Manager Jim Reed 863-644-6665 rocks57@tampabay.rr.com</p> <p>Parliamentarian Mary K. Sullivan 863-635-3728</p> <p>Snacks Barbara Lane 863-646-8987 lrbardoll31@juno.com</p> <p>Editor / Webmaster Cindy Reed 863-644.6665 lunaria@tampabay.rr.com</p>	<ol style="list-style-type: none"> 1. To stimulate interest in the collection, study, identification, and classification of gem, mineral & fossil specimens. 2. To disseminate knowledge of lapidary work and classification of gems, minerals & fossils, and their applications in the arts and sciences. 3. To encourage and facilitate instruction in the various elements of mineralogy and lapidary work and identification and classification of fossils. 4. To arrange and conduct field trips for collection of specimens. 5. To participate by displaying and taking part in all local, state, and Federation shows to the greatest possible extent. 6. To encourage adherence to the American Federation of Mineralogical Society's Code of Ethics.

LOCATION FOR 2008 MEETINGS Auburndale Women's Club, 243 E. Lake Ave.

Directions: From Hwy 92, turn north on Main Street (SR 559 at the Sunoco Station) go to the next light and turn right on Bridgers. Turn left just past the library (about 1/2 mile down the road). Take the left fork and you'll be on E Lake Ave. The Women's Club is on the right, across from the library.

From Polk City or North Lakeland, take SR 559 through Auburndale. Turn left on E. Lake across from the park. Or, you can continue on to Bridgers and turn left there.

Message from the President

As you may have noticed from page 1, we'll be meeting at the Women's Club building in Auburndale this month. It's located at 243 E. Lake, across from the city library. As long as the city sponsors us, we can use the building for free. As an added bonus, we'll be able to use one of the larger buildings for rock shows – also free or a very small fee. I've had very positive feedback from our members. If you have a comment or questions about the move, please feel free to contact me.

We're gearing up for our summer travel season. Jim and I added another class at William Holland, so we'll be there 3 weeks this year. The first week, I'm taking advanced Lampwork (glass beads) and Jim is taking Intarsia. The 2nd week, Jim's taking silver and I'm teaching beginning Lampwork. Janet and Bob Gayle will be joining us that week to take opal cutting and wire sculpture. Of course, that means we'll miss the June meeting.

Which brings up my next subject. Do we want to hold meetings over the summer? Please contact me with your views on the subject.

Don't forget, we will set up at the Polk County Historical Museum in June and July. That's a large room so think about your collections and consider helping us fill the cases.

Cindy Reed, President

HAPPY BIRTHDAY

William Cox
Bob Gayle

HAPPY ANNIVERSARY

Joe & Addie DePietro
Jim & Cindy Reed

May Birthstones

Modern Birthstone	- Emerald
Traditional Birthstone	- Emerald
Mystical Birthstone	- Sapphire
Ayurvedic Birthstone	- Agate
Other	- Carnelian, Chalcedony

May Program

Jim thought it would be nice to have a hands-on program at the May meeting. We're bringing the glass grinder with the channel bit, the dremel w/stand and small diamond drill bits and he's going to demonstrate how to polish slabs using glass. If you have any cabs that you'd like to drill or channel, bring them with you. Since this meeting place has a kitchen, it will be easier to get water.

May Shows and Swap Meets

2-4, Kissimmee, FL – Gem & Lapidary Wholesale Show. Osceola Heritage Park, 1901 Chief Osceola Trail Kissimmee, Florida 321-697-3333, 10AM-6PM Friday & Saturday; 10AM-3PM Sunday
www.glwshows.com/.

16-18--SARASOTA, FLORIDA: 182nd show; Frank Cox Productions; 801 N. Tamiami Tr. (Hwy. 41); Fri. 10-5, Sat. 10-5, Sun. 10-5; contact Frank Cox Productions, 755 S. Palm Ave. #203, Sarasota, FL 34236, (941) 954-0202; e-mail: frankcox@comcast.net; Web site: www.frankcoxproductions.com

IBVGM&FS
Meeting Minutes
April 10, 2008

The April 10, 2008, meeting was called to order, at 7:05 pm by President Cindy Reed. The location was the Bartow Civic Center on Floral Ave. There were seventeen members and four guests present.

The March minutes were approved as printed in the newsletter.

Jan Liles presented the Treasurer's report as of February and a copy was filed with the president.

Gretchen Neal is unable to attend tonight's meeting, as she is moving to Arkansas permanently.

Jan Liles, Dave and Barb Pfaff and Jim and Cindy Reed set up the club exhibit at the Bartow Public Library. It will remain on display through the month of April. The club will have an exhibit at the Polk County Historical Museum in Bartow June and July.

Jim and Cindy Reed received thank you letters from the Bartow Union Academy students, for their recent visit. They also received pictures of their time there.

Stay tuned to the next newsletter for details on our meeting in Auburndale, at the Women's Club, beginning in May or June. All seem to be in favor of meeting in Auburndale. There is a full kitchen available which will come in handy, too.

Cindy and Jim Reed will be gone for the June meeting, and possibly July. Further discussion will be made regarding holding summer meetings. The club may have a picnic in August.

A letter was received from Phillip Brown, of Spring Hill, detailing items he is selling.

Please sign up in the book, or let Cindy Reed know, if you are interested in providing refreshments for our meetings

Jan Liles said our liability insurance program covers shows and is valid through 4-1-09.

Cindy Reed has information on purchasing a hardcover book Florida's Fossils Revised Edition, at a cost of \$21.95, plus mailing. Let her know if interested for possible bulk mailing.

The motion was made and seconded to adjourn the meeting at 7:20 pm. A slide show, "Fossils, was presented by Jim Reed and narrated by Cindy Reed.

Respectfully Submitted
Laurie Williams – 4/10/08

Vulcan Mine Field Trip

Saturday May 10, 2008

Meet at the highway entrance at 8:30am to fill out and sign the release forms. We will go in promptly at 9am. No one is allowed to drive in or out of the Vulcan Mine property without a Vulcan employee as escort, so please don't be late, as they won't go back to the gate after they have taken us out to the site. If the weather is good, they will likely offer a couple of different exit times, so that anyone wanting to leave before 1 or 2 pm will have the opportunity.

Directions:

The easiest way to get there is I-4 West to I-75 North to Exit 301. Follow signs for Brooksville/Rt. 98. Go 10 miles to Brooksville and follow signs for Rt. 98 North. Go another 10 miles north of Brooksville on 98 and look for the CEMEX/VULCAN signs on the left. If you prefer to mapquest it, the address is 16301 Ponce De Leon Blvd., Brooksville.

Supplies to pack:

The site may be very muddy, so wear sturdy shoes or boots. You may want to pack a change of clothes for your ride home. Don't forget a hat and sunblock, buckets or backpack, rock hammer, small shovel, gloves, and bug spray. Bring a cooler with plenty of water or drinks, and don't forget your lunch.

For anyone who has never been to Vulcan, it is mainly surface hunting and shallow digging. The usual finds are echinoids, sea urchins, chert, shell molds, and occasionally calcite and sharks teeth.

Please feel free to call me if you have any questions, it should be a fun trip.

Thanks,

Kim Price 863-816-0909

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REMINDER:

As of March 1, there were still plenty of openings at the William Holland and Wild Acres workshops during the SFMS weeks. William Holland will have 2 workshops - one the week of June 8-14 and the other October 12-18. Wild Acres also has 2 weeks - one the week of August 18-24 and the other September 15-21. Applications for Federations weeks are being accepted at this time. If you need an application or would like more information, please contact me. Jim and I are signed up for classes during the June week and will also attend classes for a week in July. Bob & Janet Gayle have also signed up for classes in August and will submit to take classes in June. You can also check out the SFMS web site - <http://www.amfed.org/sfms/wildacres-retreat.html>

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MINERAL COLORS
WHAT CAUSES THE COLORATION?

By Jim Reed

Mineral colors - besides hardness or cleavage, coloration is often the classic property which helps identify the mineral. What causes other mineral colors? Quartz is a good mineral to look at first since this common mineral can have various colors.

Quartz is normally crystal clear – I'm sure everyone has seen the wonderful crystal clear specimens from Arkansas. However, the presence of different trace metals often can cause coloration. Common varieties of quartz that show colors are amethyst, rose, citrine, chrysoprase, or smoky. Coloration in amethyst and citrine is caused by iron. The intensity of the amethyst or citrine colors is dependent upon the amount of iron in the quartz. Allow me to jump on my chemistry bandwagon - iron has two different oxidation states: +2 and +3. Citrine has +3 iron and amethyst has +2 iron. Citrine is often irradiated to intensify the yellow color. You can also form citrine by heating amethyst because the oxidation state of the iron is altered. When you have a stone with both amethyst and citrine coloration, it is probably natural – this cannot be caused by heat treating or irradiation. Sometimes the stone with mixed yellow & purple color can be called "ametrine". Some citrine coloration can be caused by the earth and is totally natural. Whether a citrine is natural, heat treated, or irradiated cannot be determined.

What causes smoky quartz? Research on the web did not provide a distinct conclusion, but according to the Mineralogical Society of America, there are several possibilities: 1) presence of an inorganic compound (probably trivalent titanium), 2) presence of a carbon compound, or 3) radioactivity.

Rose quartz can be caused by small amounts of titanium, iron, or manganese. Chrysoprase coloration can be a lovely green color that is caused by nickel in the quartz.