

# Beehive Buzzer

February 2015 Volume 43 Issue 2



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## New Member...

*Scott Frank, Roy, UT*

## Club Notes...

- We now meet at 7 pm on the 4<sup>th</sup> Tuesday of every month at the Golden Hours Senior Center.
- Board meetings are now at 7 pm on the 1<sup>st</sup> Tuesday of every month at the Golden Hours Senior Center.
- March 1 last day to pay dues!

**Notice: Meeting Location & Day Change**  
**Tuesday, Feb 24 instead of Thursday, Feb 26**

## Beehive Rock & Gem Club Program

**7 pm, Tuesday, February 24, 2015**

**Golden Hours Senior Center**  
**650 East 25<sup>th</sup> St., Ogden, UT**

We will review last year's Field Trips with pictures and rock samples...  
Preview of our 1<sup>st</sup> Field Trip planned for 2015...

Given tour of the Golden Hours Senior Center Lapidary Shop...

See you there!-"Rocky" Ray, Program Chairman

## New Location, New Meeting Day, and New Opportunity



### The Location...

**The Golden Hours Seniors Center** is located at 650 East 25<sup>th</sup> Street in Ogden just behind the Weber County Main Library. You can enter the parking lot from either Madison Ave. or 25<sup>th</sup>

St. There is also street parking. (Incidentally, we met at the main library for years before meeting at the airport). It is easy to get to. See map on page 2.

### Meeting Days...

Starting this month on **Tuesday, Feb 24**, we will be meeting here for our monthly Beehive Club meetings. Since Lapidary classes are on Tuesdays, we will move our meetings to Tuesday nights, so our monthly meeting will be the **4<sup>th</sup> Tuesday** and board meetings will be on the **1<sup>st</sup> Tuesday** of every month. We apologize for any inconvenience the change of days might have caused you.

### The Opportunity: Lapidary Training...Equipment to Use!!!

For being able to meet here, we have agreed to run the lapidary shop and to teach the lapidary classes. Lynn Hayes has been doing this as a volunteer for the last 5 years. He will continue to do it also let others do it. Other courses could be added, such as, wire wrapping. So we will have the opportunity to volunteer, helping the seniors of the Golden Hours and learn in the process.

*Continued on next page...*



**Calendar**

**February**

**24**

**Monthly Club Meeting  
Golden Hours Center  
7 pm**

**March**

**3**

**Board Meeting  
Golden Hours Center  
7 pm**

**8**

**Daylight Saving Time**

**17**

**St. Patrick's Day**

**24**

**Monthly Club Meeting  
Golden Hours Center  
7 pm**

**April**

**1**

**April Fool's Day**

**7**

**Board Meeting  
Golden Hours Center  
7 pm**

**3**

**Good Friday**

**5**

**Easter**

**22**

**Earth Day**

**28**

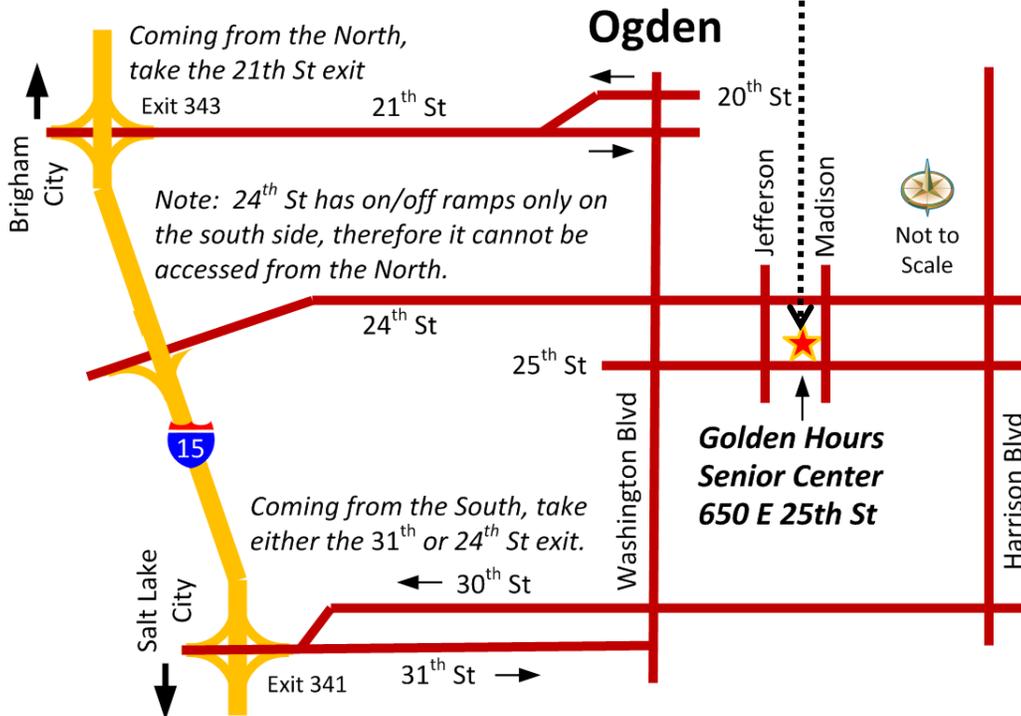
**Monthly Club Meeting  
Golden Hours Center  
7 pm**

Also, all our members will be able to use the lapidary shop (with use fee) regardless of age. This will be great for those of us who have not yet been able to invest in much equipment. All those interested in using the equipment will have to be checked off on the equipment and follow all the rules, (wear eye and ear protection, adult supervision for those under 18, etc.)

Lynn will give us a tour during our meeting on the Tuesday the 24th. We will also have an opportunity to see pictures of last year's Field Trips and learn of our 1<sup>st</sup> field trip this year, as well as, see the types of rocks and minerals we can get there.



**Getting There:**



[Link to Google Maps](#)

**Introducing Ogden's Golden Hours Seniors Center**



"Golden Hours Senior Center promotes independence and support to the 50-and-older population by providing health and wellness, exercise and fitness, art, socialization, nutrition, music, job skills, computer training and educational opportunities for the seniors of Ogden City." Golden Hours website:

[http://www.ogdencity.com/en/community/golden\\_hours\\_center.aspx](http://www.ogdencity.com/en/community/golden_hours_center.aspx)

### Our Winter Party Jan. 29, 2015



Photos by Roger and Shari Bush



### Ever Wonder...

Why do supermarkets make the sick walk all the way to the back of the store to get their prescriptions while healthy people can buy cigarettes at the front?

Why do people order double cheeseburgers large fries and a diet coke?

Why do banks leave vault doors open and then chain the pens to the counters?

Why do we leave cars worth thousands of dollars in our driveways and put our useless junk in the garage?

Why the sun lightens our hair but darkens our skin?

Why can't women put on mascara with their mouth closed?

Why don't you ever see the headline *Psychic Wins Lottery*?

Why is abbreviated such a long word?

Why is it that doctors and lawyers call what they do practice?

Why is lemon juice made with artificial flavoring and dish washing liquid made with real lemons?

Why is the man who invests all your money called a broker?

Why is the time of day with the slowest traffic called rush hour?

Why isn't there mouse flavored cat food?

Why didn't Noah swat those two mosquitoes?

Why do they sterilize the needle for lethal injections?

Why don't sheep shrink when it rains?

Why are they called apartments when they are all stuck together?

**LAST CHANCE**

**To get your dues in for 2015**

**March 1, 2015**

**LAST CHANCE**

## Rockhounds are a Curious Lot

By Dave Offret, 2014

Those Rockhounds - They,  
Are a curious Lot,  
To go the mall?  
They'd rather not,  
To go to a beach  
On a bright sunny day  
And just Relax?  
They shout, NO WAY!  
There's Canyons a'callin!  
Places to explore!  
Dirt roads to travel!  
We need to find more!  
With buckets and bags,  
They scour the plains,  
They search every cranny  
For whatever remains...  
With grins on their faces  
And the sun's Burnin ray,  
It takes more than that  
To keep them away!  
With bugs that are bitin',  
And thorns on the ground,  
There's rocks that need pickin!  
Cries every Rock Hound!  
And so off they go  
Up into the hills,  
With glazed looks in their eyes,  
And occasional squeels..  
And shouts when they've found  
The treasure they seek,  
Yes, rockhounds are strange!



They're really unique!  
Now, Rockhounds love nature,  
We all know it's true,  
So when they take a rock,  
Here's what they do..  
They bring little marbles  
To put in the place  
Of the rock they've removed,  
And so, no disgrace!  
Now the moral to this story,  
Tis' easily found,  
When you've LOST all your marbles,  
You're a GOOD ROCK HOUND!!

### In Honor of St. Valentine's Day (February 14)....



"Today is Valentine's Day - or, as men like to call it, Extortion Day!"

Jay Leno

A young woman was taking an afternoon nap. After she woke up, she told her husband, "I just dreamt that you gave me a pearl necklace for Valentine's Day. What do you think it means?" "You shall know tonight", he said. That evening, the man came home with a small package and gave it to his wife. Delighted, she opened it. She found a book entitled "The Meaning of Dreams".

It was Valentine's day and John and Danielle's first date. They sat in the darkened cinema waiting for the film to start. The screen finally lit up with a flashy advertisement for the cinema's concession stand. John and Danielle realized that there was no sound. The film began but the silence continued. Suddenly, out of the darkness, an irritated voice in the crowd loudly shouted, 'Okay, who's got the remote control?'

A Cub Scout found a frog that said, "Kiss me and I will become a beautiful princess." The boy studied the frog, then put it in his pocket. "Hey," the frog croaked, "how come you didn't kiss me?" "I'd rather have a talking frog than a princess any day!"



Stalemate

Q. What do you call a very small valentine?

A. A valentiny!

Q. What two words have a thousand letters in them?

A. Post Office!

Two antennae met on a roof, fell in love and got married. Their wedding ceremony wasn't fancy. The reception, however, was excellent.

A prince was put under a spell so that he could speak only one word each year. If he didn't speak for two years, the following year he could speak two words and so on. One day, he fell in love with a beautiful lady. He refrained from speaking for two whole years so he could call her "my darling." But then he wanted to tell her he loved her, so he waited three more years. At the end of these five years, he wanted to ask her to marry him, so he waited another four years. Finally, as the ninth year of silence ended, he led the lady to the most romantic place in the kingdom and said, "My darling, I love you! Will you marry me?" And the lady said, "Pardon?"



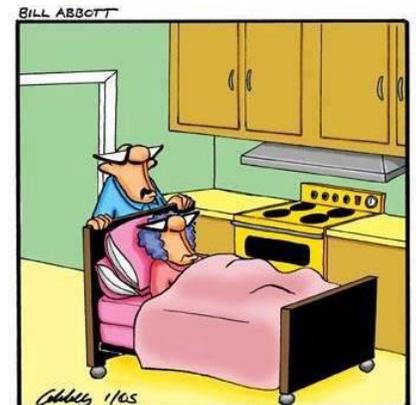
### Our Humor Page

As Valentine's Day approached, I tried to think of an unusual gift for my husband. When I discovered that his favorite red-plaid pants had a broken zipper, I thought I had the "perfect Valentine." I had the pants repaired, and gift-wrapped them. On the package I put a huge red heart on which I printed: "My Heart Pants for You." I was the surprised one, however, when I saw the same heart taped to our

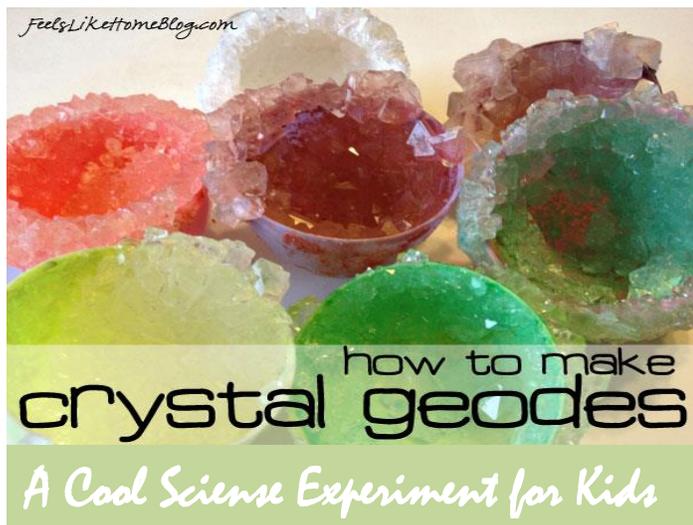
formerly empty, but now overflowing, wood box. On it he had written: "Wood You Be My Valentine?"



My high-school English teacher was well known for being a fair, but hard, grader. One day I received a B minus on a theme paper. In hopes of bettering my grade and in the spirit of the valentine season, I sent her an extravagant heart-shaped box of chocolates with the pre-printed inscription: "BE MINE." The following day, I received in return a valentine from the teacher. It read: "Thank you, but it's still BE MINE-US."



"I figured you should have breakfast in bed on your birthday. Can you reach the stove okay?"



By Tara Ziegmont, [www.FeelsLikeHomeBlog.com](http://www.FeelsLikeHomeBlog.com)

Growing crystals is a simple process, ripe with science concepts, but it is not a quick process. I questioned whether Grace was ready for a process requiring so much patience.

Then I saw this pinned on Pinterest: Come on now. If you knew how to make those, would you be able to resist them? The same day I saw the picture, I ordered the necessary supplies and got to work with my girls.

These are from Martha Stewart. Mine aren't as pretty as Martha's, but I think they're cooler because our crystals are much nicer.

I'm not sure about calling this an experiment. It's more like a recipe. Anyway, read on.



## Materials

### Alum Powder

You have to make sure you get the right kind of alum powder, potassium aluminum sulfate. Some commercial alum contains potassium, and some doesn't. If you get the kind without potassium, your crystals will not grow. I got mine from Talas, the company recommended on

[the original website](http://www.FeelsLikeHomeBlog.com). Theirs will for sure work. You also don't need 5 pounds. I've made a dozen crystal eggs, and I've only used 2 pounds or so.

## Eggshells or Plastic Eggs

We used a combination of real eggshells, broken in half, and plastic Easter eggs. You can scrutinize our finished eggs in the slideshow below, but I don't think there was a difference between the crystals grown in the plastic and real eggs. They all came out really well.

The geodes would look better if you cut the egg lengthwise, but have you ever tried to break an egg lengthwise? It's pretty close to impossible. Joe did blow out an egg and cut it in half lengthwise with his Dremel thing, but that's a lot of work. I guess if you want to make perfect geodes or if you're doing this for a science project, you might want to go to those great lengths, but we were just doing this for fun (and to share with you).

## Glue

I'm pretty sure that any old glue will work. We used cow glue (that's what Grace calls Elmer's).

You're going to coat the inside of every eggshell or plastic egg with glue, so you'll need a lot of it.

## Paintbrush

You only need this to paint on the glue.

Don't forget to wash the glue off before it dries. If you forget, you might as well throw the paintbrush away. Ask me how I know.

## A Box or Something Else to Put Your Eggs -in to Dry

Wet alum crystals are very delicate. In fact, you may knock some crystals off when you pick the wet geode up out of the solution. You will want some kind of container that will allow each geode to dry without being jostled.

The box we used was sent to us by International Delight, the creamer company. I don't know if you can buy these boxes in the store or not. It was really handy both for drying and for storing our geodes.

If you're having trouble coming up with something, you could cut rings off of a toilet paper roll, and set the wet eggs in the rings. The rings would be about the right size and shape, and they would hold the geodes up off of the table or countertop.

**A 4-Cup Bowl** — This is to mix the solution in.

**A Spoon or Whisk** — For mixing the solution

## A Measuring Cup

You will need to measure 3/4 of a cup of alum powder. Sorry that I only put the consumables in the picture. I didn't think about the bowls and stuff, but they are obviously necessary.

## Before You Can Grow Crystals

This is like Step 0.

The day before you want to grow crystals, you have to prepare your eggs. You have to do it the day before to allow the glue to dry. I suppose you could just wait a few

hours, but the glue really needs to be dry and hardened before you put it in the alum solution.

First, paint the eggshells with a thin layer of glue. If you want crystals to grow around the edge (for a less authentic, but cooler-looking geode), make sure to paint a little glue on the outside of the rim of the eggshell. A thinner coat is better, but as you can see, it's not a make or break issue.

Both of my kids were thrilled to paint eggshells with glue, so I let them go at it. I did have to remove 2/3 of the glue afterward to avoid deep puddles in the bottom of each egg. Puddles won't do.



Heat the water to almost boiling. I put mine in the microwave for 5 minutes. It think it boils during that time, but as soon as I open the microwave door, it quits. Works for me.

Pour 3/4 cup of alum powder into the water and stir it for longer than you think is necessary. If there are any crystals in the bottom, you need to either stir longer or reheat the solution or both.



I usually put mine back in the microwave for 2 minutes, and all the extra crystals dissolved.



The idea here is that you want a *saturated solution*. In other words, you want the water to be holding as much alum powder as it can possibly hold.

There's a fine line between saturated and crystals sitting around in the bottom of the bowl. If there are crystals in the

bottom of the bowl, they will draw the alum away from your geodes, and the crystals in your geode won't get as big.

If there's anything else in the bowl – dust, bits of glue, unidentified floaters – strain the solution with a strainer. It's important that there aren't extraneous bits floating around in there. (I had to strain ours a couple of times.)

On the other hand, if your solution isn't saturated, when you put your alum powder-coated egg in the water, the alum powder will dissolve and your egg will be bare. That happened to one or two of our eggs. They still got crystals inside, but they didn't cover the whole egg, just the bottom where they settled out.

The good thing about this project is that it's pretty forgiving. As the solution cools, crystals are going to form on the bottom of the bowl. As long as your egg is in the bottom of the bowl, it's going to collect some crystals, even if you've messed up practically everything.

When you're satisfied that the mixture is sufficiently saturated, drop an eggshell or two into the mixture. We did all of ours two at a time.

Now, you wait.

Leave it alone until tomorrow. Pick up the eggshells tomorrow, and see how you like them. If you want the crystals to grow bigger, carefully (!) put the eggshells back in the solution, and wait until the next day. If you're happy with the size of the crystals, take them out and start over with a couple of new eggshells.

While the glue is still wet, sprinkle the egg with alum powder. Alternately, you can fill the eggshell up with alum powder, roll it around, and dump the powder back out. I don't recommend this method, but it's what we did for most of our eggs. My kids are too little to

understand "sprinkle;" they're dumpers.

Don't neglect the glue on the outside of the egg. You can turn the egg over into a small bowl of alum powder to get this part.

Do this for a whole bunch of eggshells at once. It's a little messy, and you don't want to go

back and do it every day or two, one eggshell at a time. That would be a serious pain in the neck.

### Now We Can Grow Crystal Geodes

Okay, so you've let those eggs dry overnight. Now you're ready to make your alum solution.

If you want to use dye, stir it into 2 cups of water. We used Easter egg dye once and food coloring a couple of times. Neither of them worked particularly well. Martha Stewart recommends an expensive powdered egg dye that is supposed to get better results, but I wasn't willing to shell out the dough for it.

I liked the clear crystals best anyway.





The giant one in the bottom right, below, soaked for three or four days.

You can keep reheating and re-saturating this alum solution until you're sick of it. When that happens, pour it down the drain, wash your bowl, and be done. Alum is an edible pickling spice, so it's completely safe.

But don't go eating a bunch of it or anything. Safe and healthy are two different things.

The slideshow below has up-close pictures of most of our crystal geodes. Allie attacked them before I'd gotten to take pictures of all of them, and I forgot to go back and finish.

### Our Finished Crystal Geodes



### Alum Crystal Science

I didn't tell Grace most of what's below. I share it now because I assume you're not 5, and you have a longer attention span that she does.

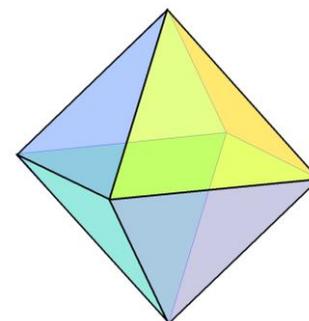
Alum crystals are awesome to grow because many different factors affect their crystal growth.

You can experiment with cooling rate – let the solution cool normally, cool it faster with a few pieces of ice, cool it really fast with a lot of ice (be careful if you're using a glass bowl – freezing a glass bowl full of hot liquid is a recipe for a broken bowl and giant mess), cool it super slow by keeping the solution in a pan on the stove at a very low temperature. One of the above will result in a few huge crystals and one in scads of tiny crystals.

All substances have a preferred crystal shape, depending on the alignment of the atoms or molecules that make it up. Potassium aluminum sulfate's crystal shape is isometric. In other words, this alum likes to make octahedrons. (Think two pyramids fused at their bases.) If you look at my slideshow, you will see very few octahedrons. The catch is that crystals can only grow in their preferred crystal shape if they aren't squished. If they're crowded (as yours will most likely be), they grow into whatever space is available. It's not unusual to see almost-trapezoidal crystals like the one below where the octahedrons have interfered with one another. You'll see all sorts of other shapes, too.

I'm kind of a nerd, and I heated and saturated my solution a couple of times and let it cool without an egg inside, just to see the crystals that formed in the bowl. I picked out the pretty ones and reheated it to make the rest dissolve. Instead of measuring everything, you can add alum powder slowly until it will no longer dissolve. This is the most reliable way to ensure your solution is saturated, but it's also time consuming. I measured. It works well enough.

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## Satellite Image of Utah



With its myriad of canyons, unusual rock formations and ancient lakebeds, Utah is a geologist's playground. This true-color image of Utah was acquired on June 20, 2000, by the Moderate-resolution Imaging Spectroradiometer (MODIS), flying aboard NASA's [Terra](#) spacecraft.

The dark aquamarine feature in the northern part of the state is the Great Salt Lake. Fourteen thousand years ago, the Great Salt Lake was part of Lake Bonneville, which covered much of northern and western Utah. The extent of the lakebed can be seen in light tan covering much of northern and western Utah and extending into Idaho. (Click for more details on the [history of Lake Bonneville](#).)

Other remnants of Lake Bonneville include the Great Salt Lake Desert (the white expanse to the left of the Great Salt Lake) and Lake Utah (the lake to the south of Salt Lake City). The white color of the Great Salt Lake Desert is due to the mineral deposits left by Lake

Bonneville as it drained out into the Snake River and then proceeded to dry up.

The dark bands running through the center and northeastern part of the state are the western edge of the Rockies. The dark color is likely due to the coniferous vegetation that grows along the range. The tallest mountains in the Utah Rockies are the Uinta Mountains, which can be seen in the northeastern corner of the state bordering Colorado and Wyoming. The white fishbone pattern in the center of the Uinta Mountains is snow that hadn't yet melted.

To the southeast, one can see the reddish-orange rocks of the northernmost section of the Colorado Plateau. Utah's well-known desert attractions, including Arches National Park, Canyonlands National Park, and Glen Canyon, are located in this region. The long, narrow lake is Lake Powell, created after the construction of Glen Canyon Dam in the 1950s.

Source: NASA [MODIS Science Team](#)

## Safety

Here's the most basic fact of rockhounding: **ROCKHOOUNDING IS INHERENTLY RISKY.** We work with heavy, pointed hammers, pry bars, chisels, sledgehammers and big heavy rocks in generally secluded areas where the earth is broken. Here's information you'll need to keep you safe and healthy.

### FIELD SAFETY TIPS

#### TICK REMOVAL:

"Apply a glob of liquid soap to a cotton ball. Cover the tick with the soap-soaked cotton ball and swab it for a few seconds (15-20); the tick will come out on its own and be stuck to the cotton ball when you lift it away."

(Cheyenne Mineral and Gem Society - May 2012 Newsletter)

#### INSECT BITES:

If stung or bitten by an insect, dissolve one fourth (1/4) teaspoon of meat tenderizer in two (2) teaspoons of water and rub this solution into the skin around the area of the sting or bite. This should relieve the pain.

(Dr. Harry Arnhold, Jr. AMA Journal)

#### RATTLESNAKE BITES:

An understatement: "An ounce of prevention is worth a pound of cure!" when it comes to rattlesnake bites!! If someone gets bite by a rattlesnake, get them to the nearest hospital immediately. Limit the victim's activity if possible to keep their heart rate normal. Help the individual to remain calm and comfortable. Reassure the victim that it is not life-threatening. Wash bite area with water and remove restrictive jewelry or clothing that would interfere with swelling. Position the affected bite area below the victim's heart. Call 911 to contact the hospital to alert staff to facilitate treatment instructions.

#### Steps to Prevention:

1. Wear high leather boots and / or snake-leggings.
2. Stay close to vehicles and transportation routes.
3. Do not rockhound alone.
4. Always assume snakes are active even if the weather is cold and cloudy.
5. Snakes are more likely to be out from under cover on cloudy warm days and especially at night.
6. Use a walking stick or rock scoop/grabber to explore with or overturn rocks. (Baby snakes have venom!)
7. Walk slowly in areas of thicker vegetation, create vibrations with your footsteps and your walking stick.
8. Walk away from the shaded side of bushes or holes when it is sunny and hot.
9. Walk around logs or large rocks or drop-offs where a rattlesnake may be resting.
10. Be especially alert when climbing a steep incline, which could result in a snakebite to the upper body.
11. If a rattlesnake is located slowly move away and warn others. Do not try to kill it and collect its rattles!
12. Rattlesnakes do not always rattle-look for them.

**Final Prevention - Have good health insurance; rattlesnake bite anti-venom is very expensive!!**

(compiled from A.F.M.S. Newsletter-June/July 2012)

#### HEART ATTACKS:

1. Dissolve two (2) Bayer "Crystal" Aspirin in the victim's mouth & help them swallow a some water.
2. Call 911 and report that Heart Attack victim has taken two Aspirin and listen for directions.
3. Transport victim to hospital. Make certain victim is sitting and not laying down.

(compiled from RMFMS Newsletter-January 2012)

#### BURNS:

1. Cool down the burned area with cool water gently applied.
2. Apply white part of a raw egg to the burned area and let dry.
3. Continue adding layers of raw egg white and letting each layer dry.
4. Seek medical attention as soon as possible for severe burns.

(compiled from RMFMS Newsletter-Sept./Oct. 2011)

## Words of Wisdom From A few of Our Presidents

"Liberty, when it begins to take root, is a plant of rapid growth."

George Washington

"Give me six hours to chop down a tree and I will spend the first four sharpening the axe."

Abraham Lincoln

"Freedom is never more than one generation away from extinction. We didn't pass it to our children in the bloodstream. It must be fought for, protected, and handed on for them to do the same."

Ronald Reagan

"As we express our gratitude, we must never forget that the highest appreciation is not to utter words, but to live by them."

John F. Kennedy

"Nothing can stop the man with the right mental attitude from achieving his goal; nothing on earth can help the man with the wrong mental attitude."

Thomas Jefferson

"Knowledge will forever govern ignorance; and a people who mean to be their own governors must arm themselves with the power which knowledge gives."

James Madison

"Terrorist attacks can shake the foundations of our biggest buildings, but they cannot touch the foundation of America. These acts shatter steel, but they cannot dent the steel of American resolve."

George W. Bush

"Because power corrupts, society's demands for moral authority and character increase as the importance of the position increases."

John Adams

**Officers & Club Information**

**2015 Board of Directors**

**Officers**

President	Dan Siler	801-737-3013
Vice President	Nancy Anderson	801-425-7470
Secretary	Dave Offret	801-791-6081
Treasurer	David Law	801-644-4931

**Activity Committee and Chairpersons**

Field Trip Leader	Roger Bush	801-775-0147
Program	Ray Rutledge	801-732-8331
Door Prize	Jim Alexander	801-399-0785
Hospitality	Linda Pilcher	801-392-7620
Communications		
Membership	David Law	801-644-4931
Mini-show	Alice Crittenden	801-547-7781
Safety	Dennis Anderson	801-425-7470
Publicity	Mark Acker	801-475-4705
Buzzer Editor	Dave Harris	385-205-0304
Editor- in-Training	Linda Pilcher	801-392-7620
Associate	Associate	Leora Alexander
Photographer	Shari Bush	801-388-8605
Calling Committee	Sherm & Ricky Thompson	435-760-1362

**Federation Representatives**

Rocky Mountain Federation Delegate	Dan Siler
Utah Federation Delegate	Open
Public Land Advisory Committee	Jim Alexander

**Club Affiliations**

The Beehive Rock & Gem Club began in April of 1970 and is a member of the following:

- Utah Federation of Mineralogical Societies
- Rocky Mountain Federation of Mineralogical Societies
- American Federation of Mineralogical Societies
- Scribe

**Advertising Rates:**

For sale ads are permitted for members at no charge. Business advertisements will be charged at the rate of \$5.00 for ¼ page or 15 cents per word for less than ¼ page.

**General Objectives of the Club**

The purpose of our club is to stimulate interest in the collection of rocks, minerals, gem materials, and legal fossils. To discuss and impart our knowledge of the different phases of collecting, cutting, polishing and displaying them. Also to organize educational meetings, field trips and similar events while enjoying and protecting our natural resources.

**Membership Dues**

Yearly membership dues are for adult members are

Single	\$11
Couple or Family	\$16
Junior (Under 18 not part of family membership)	\$5

Dues are due October 1 of each year.  
801-399-0785

**Meetings**

General club meetings are held at 7 pm on the fourth Tuesday of each month at the Golden Hours Senior Center located at 650 E 25<sup>th</sup> St, Ogden, Utah.

All visitors are welcome.

Board Meetings are held at 7 pm on the first Tuesday of each month at the Golden Hours Senior Center located at 650 E 25<sup>th</sup> St, Ogden, Utah.

**Newsletter**

The Beehive Buzzer is the official newsletter of Ogden Beehive Rock and Gem Club and is published eleven times per year. Please send submissions and exchange bulletins to [beehivebuzzer@gmail.com](mailto:beehivebuzzer@gmail.com).

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