

**BEEHIVE ROCK & GEM CLUB TIME VALUE DO NOT DELAY**  
**LEORA ALEXANDER, EDITOR FIRST CLASS MAIL**  
360 5<sup>TH</sup> STREET  
OGDEN, UT 84404-4277



**Renew your dues**



BEEHIVE ROCK  
AND GEM CLUB

P.O. BOX 1011  
OGDEN, UTAH 84402

VOL. 37 No. 12

Website: <http://www.beehivrockandgem.com>

Dec, 2009



**MEMBER OF UTAH FEDERATION OF MINERALOGICAL SOCIETIES**  
**ROCKY MOUNTAIN FEDERATION OF MINERALOGICAL SOCIETIES**  
**AMERICAN FEDERATION OF MINERALOGICAL SOCIETIES**



The Beehive Rock & Gem Club began in April of 1970.

The purpose of our club is: To collect, cut and polish rocks, to gather fossils, mineral specimens, to discuss and impart our knowledge of the different phases of collecting, polishing and displaying-

To promote, organize and hold meetings, outings, trips, and similar events. To enjoy and protect our natural resources.

Permission to reprint from the BUZZER is granted if credit is given as from (the original bulletin if copied, then via "others" or "et all" for those between and then) BEEHIVE BUZZER with date of issue taken from.

**USUAL DATE FOR MEETING - FOURTH THURSDAY - 7 PM OGDEN-HINKLEY AIRPORT TERMINAL, 3900 S. & AIRPORT ROAD**

November, December have changes. Maybe others.  
Call any Board member for current information.



**BOARD OF DIRECTORS  
OF THE BEEHIVE ROCK & GEM CLUB FOR 2009**

- President & Board Chairman...Dan Siler.....801-737-3013
- Vice President.....Mark Acker.....801-475-4705
- Secretary.....Bonnie Kent.....801-771-8184
- Treasurer...David Law..4278 S. 2400 W..Roy - 84067...801-644-4931
- Field Trip Chairman.....Ray Law.....801-825-5857
- Program Chairman.....Ray Rutledge.....801-732-8331
- Door Prize Chairman.....Jim Alexander.....801-399-0785
- Hospitality Chair.....Judy Law.....801-825-5857
- Membership Chairman & Club Directory...David Law...801-644-4931
- Mini-Show Chairman.....Dean Bennett.....801-773-7142
- Safety Chair.....Lynn Hayes.....435-723-2216
- Auctioneer & Member at Large.....Don Cavalli.....801-731-5686
- Publicity.....Mark Acker.....801-475-4705
- Editor of BUZZER..Leora Alexander..360 5th St. 84404..801-399-0785
- Calling Committee..Need Volunteers to call members before meetings.

\*\*\*\*\*

**FEDERATION REPRESENTATIVES**

**DUES**

- Rocky Mountain Federation Delegate.....President
- Utah Federation Delegate..... TBA
- Public Land Advisory Committee.....Jim Alexander

- Due: October 1
- Single - \$11
- Couple or
- Family - \$16
- Junior - \$5
- Overdue: January 1

See back page for meeting time and place.

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WE HAVE NO MEETING- -IN DECEMBER - RELAX & HAVE FUN!

COMING- -EVENTS



JANUARY BOARD MEETING - JAN. 7,  
7 PM, AIRPORT LOBBY.

JANUARY CLUB MEETING - SEE BELOW!

**WINTER PARTY**

**JANUARY 28, 2010!**





## PRESIDENT'S MESSAGE-



Hi fellow rock hounds,  
For those of you who don't know me my name is Joe Kent and I was elected Club President at the last meeting. If you weren't there and would like to contest the vote drop us an email and we will see what we can work out.

I grew up in Southern California going out into the deserts 4 wheeling with my parents. My mother loved to pickup pretty agates anywhere we stopped long enough to walk around. I also got an ear full of flora and fauna. As a kid I only wanted to drive my jeep off road. I got my first one when I was 12.

After 4 years in the USAF in sheet metal and machine shop, I returned to Burbank and started College in engineering. In 1969 Lockheed laid off 5000 engineers. I finished an associate degree in engineering and transferred to BYU completing a BS in Earth Sciences. This was a program designed around teaching high school, biology, physics, chemistry, and geology.

After 5 years working summers doing engineering and machining to make ends meet as a teacher in Utah, I opted to leave teaching for engineering. After bouncing around for 5 years I ended up at Williams International for the last 23 years until August 26 of this year when I was RIFed into retirement.

Bonnie, my wife of 37 years, and I have spent much of our free time with our children camping and touring the backcountry of the western states. Every walk was filled with me pointing out all of the wonderful things I saw in nature. My kids were about as thrilled, as I was when my mom showed me. Take heart parents because they now think its cool and the grand kids love to go along when ever they can.

I am not the best one for finding spots to go to find good stuff but we have Field Trip Organizers Ray Law and Dan Siler to show the way. If there is **anyone** that has a good place to go please step up and let us know. Good places usually seem to be some distance away. While in Montana for the last Regional Convention this last summer we went from Billings west to Sweetwater 60mi +, south to Bear Canyon 70mi+, over to Miles City 160mi +. That's often the way it is.

I am in the process of setting up my email on Outlook so that I can contact everyone directly at one time, or set up various various groups. For those who don't have Internet we will set up a calling tree to make connections. As we meet in our monthly Board meeting, we will develop a schedule of trip dates and places. If you have suggestions please get them to me. In January I will send out a questionnaire to see where the interest is.

Lets all go and have a good time.

Joe Kent

Home 801 771 8184, Cell 801 540 8596, email [joekent225@msn.com](mailto:joekent225@msn.com)



The first order of business was the election of Joe Kent as the Club President. Veldora Law will be the greeter and Dan Siler will co-chair as field trip leader along with Ray Law. The other board members will remain the same for 2010. Dan spoke for the last time as the Club President. He has appreciated the support of so many people. He spoke of the difficulty of communication and asked that anyone who has a comment, problem or idea to feel free to speak.

After the elections, there was a sharing time. Boyd Loveless brought the bowls that he made and won ribbons for at the Utah State Fair. They are made out of the opalized rock by Eureka that many rock hounds think is worthless. Dave Offret showed his pens and key chains, the Criittenden's showed things to do with druzy quartz and Ray Law brought few of his spheres. He spoke about how every rock is different and the beauty of a rock is not often revealed at first sight. Mike Beard showed the amazing wood carvings that he creates. We all watched a video on meteorites and looked at items on the 'show and tell' table.

There will be no meeting in December. See you all in January for the pot luck.

Bonnie Kent

Secretary



Thank You



MERRY CHRISTMAS AND HAPPY NEW YEAR!

DECEMBER

BOARD MEETING MINUTES

December 3, 2009

Joe Kent was given the official President Bag. It contains a gavel bought many years ago at D.I. The bag would have also contained a pair of scizzors but Ray Law saw them and was very happy to claim them as his great pair that he had been missing for two years.

Mark Acker brought samples of the swirl agate from near Nephi that he threw in his wood stove. The heat made the color change from yellow to black and red.

Dean Bennett reported on the plans for the Dec. display in the library in Huntsville. The display will be set up on Dec. 23rd and will last until Feb. 10th.

The board members talked about the importance of each and every member. We continue to try to improve communications and to make everyone feel like a valued member of the club.

Ideas were given to Rocky Ray for future meetings. Dean Bennett has door prizes. The Jan. meeting will be the pot luck so plan to attend, eat too much food and get to socialize.

March will be the meeting when we have the annual club auction.

The next board meeting will be Jan. 7th in the same building where the meetings are. Anyone is welcome to attend!

Bonnie Kent secretary

Editor's comments on last meetings-

Some of the things Carroll Crittenden brought to show were from the Paul Bunyan Woodpile area, this is the place some of us want to go. The agates are pretty and made us anxious for warm weather. (We are thankful for the water that is piling up in the mountains though.)

There was an inquiry about location and the reason for the name of the area. He and others who have been there answered them. [See article next page. Ed.]



#### Officers for 2010

President - Joe Kent.  
Vice President - Mark Acker  
Secretary - Bonnie Kent  
Treasurer - Dave Law

All the other positions you see on page 1 are voluntary and all but Ray Law have agreed to stay another year. Get in touch with the Chair of what-you-would-like-to-help-with, we need you!

Especially for pre-meeting phone calls!

Ray has agreed to act as co-ordinator for Field Trips so you still will contact him for dates and times. Many members know of places to go and all of us need to take a shot at leading others into an area.

We will enjoy wherever you take us.

If you don't have to pick up rocks every time, join some of the exploration trips. These are to find sites heard or read about and confirm or disprove collectable materials.

One of Joe's concerns is the short notice there has been for field trips.

This is why we want you to help us get trips and approximate dates set up so people can plan ahead.

The only settled trip we know about before Fall is the Tri-Federation trip. Rocky Mtn, California and Northwest Federations will meet at the Blue Forest Petrified/Fossilized Wood Beds in Wyoming for the Memorial Day weekend, May 29-31, 2010!

Reno, NV, THE CONGLOMERATE, History page - 20 years ago - 1989: Norvie Enns, the field trip director reported that "Santa is the only person going on a field trip in December."

#### 2010 FIELD TRIPS



Here are some suggestions -

Spring and early summer before too hot!

1. Henry Mtns for petrified wood, agates, coprolites and ??.
4. Texas Spring, NV for limb casts, bog-wood, opalite and other things.
4. Grouse Creek for crystals, geodes, wood and other discoveries.
4. Sardine Canyon for black horn coral.
2. Delta area - Antelope Springs area for trilobites: Petrified sea critters/kids say "rock bugs" Clear Lake - yellow sunstones a kind of labradorite. Black Rock - desert area has different kinds of obsidian, pumice + other volcanic formations in some areas.
3. Salina/Soldier Canyon for wonderstone, greenstone, plus?
3. Scipio area for blue-gray agate + ??
3. Woodward Ranch as invited - agates, etc.
3. They are near area for Palm wood (dig).
3. Paul Bunyan's Woodpile for agates and geological sight. See next page!.
3. Eureka for various jaspers, agate, minerals, more every year.
3. Dugway Pass area for geode beds + as not under claim. Topaz Mtn for topaz, some garnets, + other collectables.
- Oct. ?-? - Pre-show rock trip - Floy Wash and Yellow Cat areas for lots of agate, jasper, 'onyx', and minerals - more every year.
3. SE Some stayed more than a week last year. It's a big area!
- Oct. 8-10 - Moab Show weekend. Trips are led by members from Moab club.
  - 1-Far south. 2-southwest.
  - 3-mid-state. 4-north



## Columnar Joints

The formation of regular shapes by natural processes make some of the world's most intriguing wonders. The presence of long, mostly six-sided columns (called columnar joints) in cooled lavas is one of those wonders. No one who has seen the awesome grooved structure in Devil's Tower in Wyoming or the Devil's Post Pile in California, can forget this feature. What about a cooling mass of magma could cause such symmetrical columnar joints?

**A similar phenomenon can be seen when a mud puddle dries.** As it loses water, the mud cracks in symmetric shapes, forming mud polygons. This is because the loss of water causes the mud to shrink. That contraction is relieved by breaking as the dry mud becomes brittle. When things contract like this, they naturally seek the most stable position. For mud, that is a system of natural polygons, separated by vertical cracks.

Basalt and other lavas behave similarly. As lava cools, it doesn't dry out like mud, but it does shrink. As it becomes cold and brittle, the lava contracts and relieves the stress by cracking. The cracking produces a polygonal pattern that extends through the lava flow. As weathering cuts into lava, the rock breaks along the joints, exposing this geometric regularity. Although many of the polygons are six-sided, four, five, seven or eight sided columns are also relatively common. The degree and perfection to which this is developed depends on the thickness and composition of the lava and how fast it cools.

**The long sides of the column form parallel to the direction of heat loss as the lava cools. In lava flows, the joints generally run vertically through the flow.** This is because the lava was losing its heat upward to the air and downward to the ground. Sometimes columnar joints are found in veins or dikes of magma cutting the rock. These joints may lay horizontally in the dike, like stacked firewood. This is because the magma in the dike was losing its heat to the cold rocks to its sides. At Devil's Tower, the joints through much of its length run vertically, indicating that heat loss was to the surface. Toward the base of the tower, however, the joints curve horizontally. Here heat loss was easiest to the sides, probably because the tower base was far enough below the ground surface that most of the heat loss was to the sides.

**Really thick lava flows have several layers of joints.** Ideally, there is a well jointed lower zone, called the lower colonnade. The middle section in the flow can be a more chaotic set of thinner columns and is called the entablature. A thinner, less well developed upper colonnade is also possible. The upper and lower colonnades reflect normal heat loss to the surface and the ground. In the middle of the flow, the entablature's more chaotic pattern suggests that the heat loss direction was less well defined and varied locally.

**Any where that lava has been active is a potential place to find columnar joints.** The Devil's Post Pile in California, Fingal's Cave along the sea coast of Scotland, and Giants Causeway, along the coast of Northern Ireland are world famous for this feature. Yellowstone Park and the Columbia River plateau in Washington state are other good places to look. Locally, good columnar jointing can be seen in the lava flows on Isle Royale and on the Keweenaw Peninsula of Michigan.

The appearance of these features often has them related, in name and legend at least, with giants or the devil. Yet there is nothing infernal about them. They are just good examples of the workings of the laws of physics and geology.

- Dr. Bill Cordua, University of Wisconsin- River Falls

### References:

Holmes, Arthur, 1965, Principles of Geology, second edition, Ronald Press.  
MacDonald, Gordon, 1972, Volcanoes, Prentice Hall.



Paul Bunyan's Woodpile  
See p. 4

From ROCKY MOUNTAIN FED. NEWS 12/09

**Hosts of the 2010 RMFMS Convention****April 23-25, 2010 – Wichita, Kansas**

Wichita Gem & Mineral Society's 57<sup>th</sup> annual show. 2010 Theme - Tri State Treasures.  
 Admission: Adults: \$5.00; Ages 12-17: \$1.00;  
 Under 12 FREE with paid Adult.

**RMFMS Web Site**

[www.rmfmts.org](http://www.rmfmts.org)

Spread the word! RMFMS Member Club newsletters can be published on the RMFMS Website. You can find them at:

[http://www.rmfmts.org/club\\_newsletters.htm](http://www.rmfmts.org/club_newsletters.htm)

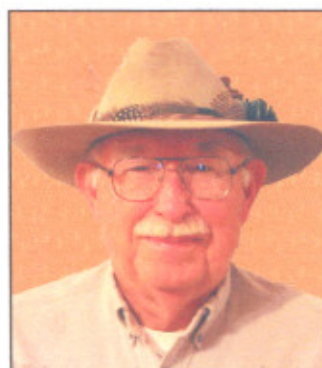
**RMFMS Treasurer Report**

December 2009 -

By Gene Maggard

Dues notices went out October 15. If your club has not received the notice, please contact me ASAP so that I can get you another copy. The deadline is December 15. If your club is electing officers in January and wishes to report late, please let me know so that we can agree on the late date. If you miss the cutoff date, your new officer and club information will not get in the 2009-10 directory.

The convention OP was revised at the 2009 convention to eliminate the 50-50 show profit share requirement for the host club. We hope that this will make more clubs willing to host the convention. Please contact any Executive Committee member if your club would be interested in hosting the convention in future years. We are looking for host societies for years 2012 and beyond.



*From Your  
President's*

*Pen*

*By Bill Smith*



It looks like winter is on its way with snow predicted here in Southern Kansas next week. I have already traded my rock hound tools for my shotgun as duck season is underway. It is also time to take a look at what we collected this summer. Janet and I collected some really nice petrified wood west of Hardtner. Winter is the time to put the rock saw to use along with the grinding, sanding and polishing wheels so you can have that new case ready for next years show.

I had an opportunity to visit the Oklahoma Mineral and Gem Society's "River of Gems" show held at the Oklahoma State Fair Park in Oklahoma City. Enjoyed talking to club members and visiting with rock hound friends from several other clubs.

The combined Wichita Gem and Mineral and Rocky Mountain Federation show is rapidly approaching. April is not that far away and what a great way to put winter behind us. Mark the date on your calendar and plan to attend. I can promise you it will be a great show.

Wishing everyone a very Merry Christmas and safe travels over the holidays.

Until next month.



Warm - Warmer - Warmest -  
 Frost fills the air, chilly flakes fall;  
 Yet Christmas Day is the warmest of all.  
 Warmest in greeting, warmest in cheer.  
 Warmest in wishes for a wonderful year.

Via Golden Spike News

**Bright and cheery  
 greetings to all of  
 you from all of us.**



**BOARD OF DIRECTORS  
 BEEHIVE ROCK & GEM CLUB**

**DUES ARE OVERDUE JANUARY 1/2010!**

HURRY!

Time is



sl  
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away!



Bring  
your  
DUES!



**HINT:**

When polishing hard-to-reach places with your Flex Shaft machine, take a Q-tip, cut it in half and insert it in the handpiece and charge it with polishing compound. The cotton ends will produce a very high luster and will last an amazingly long time.

From Cabber Gabber, via The Roamin' Rams, 1/97, and others PICK & PACK 5/97

**TRY THIS:**

To make a salt flower, take a porous object (clinker, charcoal briquette, coal, brick or sponge) and pour over it a solution of 6 tablespoons of non-iodized salt, 6 teaspoons bluing, 6 tablespoons water and 1 tablespoon ammonia. When the object is saturated, add food coloring for effect. Mix and add another liquid mix if more growth is desired. Keep the flower moist. Via Breccia, 5/97; via The Tumbler, 11/199;

\*\*\*\*\*

If your slab saw or trim saw has a plastic cover that has turned yellow with age and use, try cleaning it with the household cleaner, "Fantastic." with a little effort, Fantastic will make it look almost like new.

Via Stoney Statements, via Rock Trails 5/97

**GIFTS FROM THE LAPIDARY**

Here's something you could make for a gift, raffle prize, or donation.



**COASTERS**

Get out that box of slabs you plan to use someday and blow off the dust. Pick out 6 that you can trim to 4" squares. Then round the corners and bevel the edges, so the squares will have smooth edges. Polish the best side, either with your equipment or with a water proof acrylic. Back the other side with self-stick felt. The thickness of the slabs does not have to be the same. You now have a set of six unique coasters in a variety of colors and patterns.

**MAGNETS**

Don't throw away the bits you trimmed off. Smooth the edges and cut the shapes one or two inches one way and about 3/4 inch the other. Tumble polish these and you have a pretty collection of free-form pieces. Glue a magnet to each and you have a nice collection of refrigerator jewelry for yourself, a gift, or even a doorprize.

(From The Hy Grader via Rock Rollers 2/96 via BRECCIA 9/96) via T-Town Rockhound 1/97

← QUARRY QUIPS 11/97



**HAVE YOU WRITTEN YOUR EDITOR AN ARTICLE LATELY?**

BEEHIVE BUZZER 12/97



## CHRISTMAS VACATION PROJECTS

### JUNIORS HOME PROJECT: OLD-FASHIONED "ROCK CANDY"!!

Sugar Crystals on a String.

Here is an experiment that you can do that is quite easy.

When you are finished, you can make it disappear by eating, have fun!

Materials you will need: Sugar, Quart Jar, Heat Source.

1. Get a VERY CLEAN jar (this is important, or you will end up with a jar of sugar sludge).
2. Bring a quart or so of water to a boil and dissolve as much sugar as you can. Pour this into the clean jar!
3. Tie a string to a pencil and hang the string into the jar with pencil resting on the rim. You might want to put a piece of wax paper or something over the top of the jar to slow down evaporation.
4. As the sugar solution cools, it becomes super-saturated. The excess sugar will crystallize out on the string.



via Dust & Grit, 5/97, from West Seattle Petroglyphs 4/97

via The Tumbler 11/97 & QUARRY QUIPS 11/98



## GROWING YOUR OWN GEODE

This experiment is a specialized type of crystal growing experiment in which we want the crystals to fill in a cavity in a rock. In nature this process may take tens of thousands of years, but our experiment should be ready in five to ten days.

**Step 1 - Make the cavity in which the crystals may grow:**

The shell of the geode is made by mixing 2/3 cup plaster of paris with 2/3 cup epsom salts (magnesium sulfate), or whatever chemical you wish to grow as crystals. Slowly add 1/4 cup water and stir until the mixture is about the consistency of oatmeal. Immediately pour the mixture into a mold - a large disposable plastic dish or several sheets of aluminum foil folded to make a dish. With a plastic spoon, start spreading the mixture up the side of the mold. At first the mixture will slide down, but as it thickens it can be molded against the shell. Work quickly at this stage because the plaster hardens rapidly. Let the shell cure for about 1/2 hour before using it in any experiments.

**Note:** A fairly large amount of the crystal growing chemical has been added to the plaster that makes up the shell. These crystals in the shell act as seed crystals for the crystal growing solution, and they firmly anchor the crystals to the rock.

**Step 2 - Make the crystal growing solution:**

Mix approximately 2 cups epsom salts with 3 cups of boiling water. Stir until all of the magnesium sulfate (epsom salts) is dissolved. Let the mixture cool to room temperature.

**Step 3 - Make the geode:**

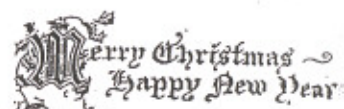
- A. Place the shell in a convenient container - a half-gallon milk or orange juice container with the top cut off is fine - and slowly pour the cooled solution over the shell.
- B. Place the experiment where it will not be bumped, but not on a window, or where the temperature is less than 60 degrees.
- C. Each day check to see how the crystals are developing - shine a flashlight through the solution to see the crystals.
- D. You may stop the experiment whenever the geode looks like it has enough crystals. Remove the shell from the solution and let it dry.
- E. The crystals that you have grown will dissolve in water, so you may want to protect the crystals by spraying them with varnish.

**Note:** In humid weather this experiment may take longer than a week to complete. Other chemicals that may be substituted for epsom salts include sugar, salt, aluminum sulfate, and potassium chloride.

(Contributed by Wayne Mouser, from The Hicksville Gregory Museum in Hicksville, NY via this Internet address:

[http://Hnorthport.k12.ny.us/~npthscc/GREGORY/Growing\\_Geodes.html](http://Hnorthport.k12.ny.us/~npthscc/GREGORY/Growing_Geodes.html))

VIA T-TOWN ROCKHOUND 3/98 & STRATA GEM 6/98



Via BEEHIVE BUZZER 12/97

The Adventures of  
Mr. & Mrs. N.W. Rockhound  
by CLJ

Wish you a Merry Christmas and a Happy New Year



## COOKING ON WHEELS

Evelyn Clark

NAPA GEMS 11/97

Many of you enjoyed the chocolate coconut bars brought to the October meeting and Barbara Snook has provided the recipe so you can enjoy them in the future.

## Heavenly Squares

1/2 C butter or margarine  
1/2 C sugar  
1 egg  
1 tsp Vanilla  
2 C graham cracker crumbs  
1 C flaked coconut  
1/4 C finely chopped walnuts  
Frosting (recipe follows)  
Chocolate topping (recipe follows)



## A Christmas Prayer

Help us rightly to remember the birth of Jesus, that we may share in the song of the angels, the gladness of the shepherds, and the worship of the Wise Men. Close the door of hate and open the door of love all over the world. Let kindness come with every gift, and good desire with every greeting. Deliver us from evil by the blessing that Christ brings, and teach us to be merry with clean hearts. May the Christmas morning make us happy to be Thy children, and the Christmas evening bring us to our beds with grateful thoughts; forgiving and forgiven, for Jesus' sake.  
Amen.

--Robert Louis Stevenson

THE LEAVENITE NEWS 11-12/98

Beat together butter & sugar until creamy, then beat in egg & vanilla until well blended. Stir in crumbs, coconut, & walnuts. Spread mixture in a well greased 9x13 baking pan, and bake in a 350 degree oven for 15 or 20 minutes or until lightly browned. Cool completely.

\* Spread frosting evenly over the top, then spread on chocolate topping. Refrigerate until chocolate is firm. Cut in squares & serve. Makes 4 dozen.

**Frosting** Beat together 1/2 C butter or margarine, 2 tsp. milk and 2 C unsifted powdered sugar.

**Topping** In a double boiler combine a 12oz. pk. Semi-sweet chocolate baking chips with 2-4 Tbs. butter or margarine and stir over simmering water until melted.

Thanks, Barbara

\* Note: Up to the point of adding frosting, etc., this recipe would be diabetic friendly since I have been told 1C sugar = 4dz yield taken in small doses.



"For unto you is born this day--a Savior, which is Christ the Lord." Luke 2:11

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CORNER

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MERRY CHRISTMAS

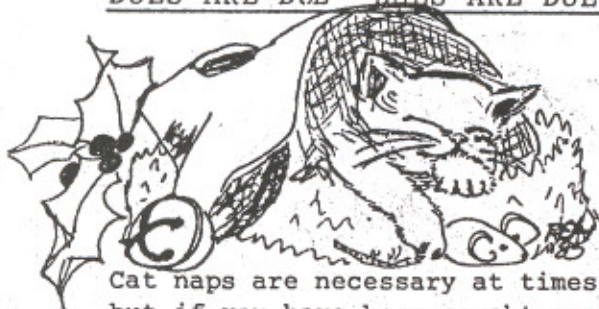
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| Angel        | Joy         | Shepherds |
| Baby         | King        | Sleigh    |
| Bell         | Lights      | Snowman   |
| Birth        | List        | Stable    |
| Book         | Mary        | Star      |
| Camel        | Mistletoe   | Tinsel    |
| Carol        | Nativity    | Toys      |
| Chimney      | Noel        | Toy store |
| Christ Child | North Pole  | Tree      |
| Christmas    | Ornaments   | Trim      |
| Cold         | Peace       | Trucks    |
| Decorations  | Poinsettia  | Village   |
| Dolls        | Presents    | Winter    |
| Donkey       | Quiet       | Wiseman   |
| Elves        | Reindeer    | [Mice]    |
| Holly        | Santa Claus |           |
| Inn          | Season      |           |
| Joseph       | Sheep       |           |



[As corrected by Beehive Editor.]



DUES ARE DUE DUES ARE DUE



Cat naps are necessary at times but if you have been caught napping and have not paid your dues, now is the time to wake up and get them paid.



YEAR END CLEAN-UP

Get Those Dues Paid!



DECEMBER 23 (PM) - FEBRUARY 10, 2010  
 BEEHIVE ROCK & GEM CLUB  
 Huntsville Library, 131 S. 7400 E.  
 Huntsville, Utah.

Quartzsite and Tucson, Arizona shows are beginning - run until mid-February. Information in ROCK & GEM magazine and online: rockngem.com Many of our snowbirds are already gone or will be after Christmas.

Mar. 13-14 - Rockhound Roundup,  
 Deming NM

Mar. 13-14 - Magic Valley Gem Club, Twin Falls Co. Fairground, Bldg #3  
 215 Fair Ave, Twin Falls, ID.

Mar. ??-?? - Timpanogos G&M, Spanish Fork Fairgrounds, Spanish Fork, UT

**CONGRATULATIONS TO JANUARY**

**JAN. BIRTHSTONES** - Garnet for Constancy, a group of aluminum silicates. Moh's scale hardness of 7-7.5. It is found in many shades of red/red-brown/purplish-red.

Others are the rose Rhodolite, yellow Topazalite, green Demantoid, black Melanite and Russia's emerald green Uvarovite.

Idaho is our nearest source for good gems, including the very intriguing star garnet. Have you cabbed one of these?

Utah's Thomas Range garnets are usually very dark red.

**ANNIVERSARY** - 18th. Usually faceted in modern times, except for the star garnet.

**Onyx** - a variety of white and or color banded agate or calcite travertine.

More highly agatized onyx may have up to Moh's scale hardness of 7.

Travertine is what we find in UT near Nephi, Lookout Pass, Salt Wash (Floy) and other places. We may find striped, honey colored or white. Laid down by hot or cold springs.

Shiny black onyx is often see in stores, maybe this is the stone called in ancient times the Stone of Sadness, "-- those who dared wear it were pronounced bereft of their senses." From Gems, via Drywasher's Gazette 2/95, Orange Belt Min. Soc.3-4/95.

Via BEEHIVE BUZZER 12/05

FLOWERS - Carnation or snowdrop.



NEW DATES - NEW PLACE! - GOLDEN SPIKE G&M,  
 April 9-11 - Golden Spike Events Center,  
 Fairground, Ogden, Utah.

Apr. 23-24 - Wasatch Gem Soc., Utah State Fair Park, (Zion Bldg?)  
 Salt Lake City, Utah.

April 23-24 - ROCKY MTN FEDERATION SHOW,  
 Wichita, Kansas. See p.6.

June 18-20 - National show - AMERICAN & CALIFORNIA FEDERATIONS,  
 La Habra, California.

Traveling? Check out -  
[http://www.amfed.org/fed\\_shows.htm#Future](http://www.amfed.org/fed_shows.htm#Future)

March 7-8 - Eastern Federation,  
 Nov. 13-14 - South Central Federation,  
 DeRidder, Louisiana.

**BIRTHDAYS AND ANNIVERSARIES**

**Garnet**, the January birthstone, gets its name from the Latin *granatus* meaning like a grain and referring to the fact that the crystals resemble grains or seeds embedded in the matrix. Some say it may come from the word Pomegranate. Garnet is a family of minerals having similar physical and crystalline properties. Uvarovite, Pyrope, Grossularite, Almandite, Andradite and Spessartite are common garnet species. Some rare species are Hydrogrossular, Henritermierite, Goldmanite, Kinzeyite, Knorringite, Majorite, Schorlomite and Yamatoite. There are also a number of trade and variety names, mostly for particular colors. All species of garnet have been used as gemstones.

Garnet displays the greatest variety of color of any mineral, occurring in every color except blue. Its use as a gem or gemstone can be traced to prehistoric times. Its earliest industrial use may have been as coated sandpaper.

In the United States, gem-quality garnets are found in Alaska, Arizona, California, Colorado, Connecticut, Idaho, Montana, Nevada, New Hampshire, New York, North Carolina, Pennsylvania, Utah and Virginia. Idaho is the only place, besides India, that produces significant amounts of star garnets. It is the state mineral of Connecticut

Via PICK-HAMMER NEWS 1/07



From "Vets First" letter

"There's more, much more to the Holidays  
Than candle-light and cheer;  
It's the spirit of sweet friendship,  
That brightens all the year;  
It's thoughtfulness and kindness,  
It's hope reborn again  
For peace, for understanding  
And for goodwill toward men."

Anonymous



"-- Behold a virgin shall conceive  
and bear a son and shall call  
His name Immanuel."  
Isaiah 7:14

"-- they shall call His name Emmanuel,  
which being interpreted is,  
GOD WITH US."  
Matthew 1:23

From Friends' letter



# DUES ARE DUE

Via QUARRY QUIPS 12/02

PLEASE CHECK YOUR CARD - IF IT SAYS 2009,  
YOU HAVE NOT PAID YOUR 2010 DUES YET!



Treasurer's address on front page - send  
right away to get in the 2010 Directory.

### WINTER PARTY - JANUARY 28 - AIRPORT BLDG

BRING POTLUCK DISHES, VEGETABLES, SALADS,  
& DESSERTS - REMEMBER YOUR SILVER & PLATES.  
WINTER DECORATIONS WILL MAKE IT FESTIVE.

Bring a gift to get a gift,  
white elephant or your choice!

*Happy  
New Year!!!*

### A NEW YEAR'S RESOLUTION

Make plans to be a  
PARTICIPANT in your club  
and send in an article  
depicting a facet of the  
mineral (fossil, rock,  
etc.) collecting hobby.  
MICROWAVES-Jan 87

Some see problems in every  
opportunity. Others see  
opportunities in every  
problem.

CGAS NEWSLETTER-Dec 87  
both via SCRIBE-Winter 87  
Via PICKHAMMER NEWS 12/89  
& BEEHIVE BUZZER 12/82



From BEEHIVE BUZZER 12/01

In this busy season of various holidays,  
may you find some time to reflect on the  
"Reason for the season!" The victory of  
the Jewish people over religious tyranny  
culminated in the miracle of the last oil.

The Festival of Lights/Hanukkah cele-  
brates the one day supply of oil lasting  
for the 8 days while more was found.

Daniel's prophecy of the very time for  
Messiah's arrival was about to be ful-  
filled. Daniel 9:25 begins approx. 450 BC.

So now the way was cleared for the birth  
of the true Light of the world. John 8:12.

Christmas celebrates His birth.  
He bought freedom of soul with His very  
life Dan. 9:26a, Isa. 53:3-12; His teach-  
ings taught love for each other and when  
truly practiced, as He did, bring freedom  
from physical oppression as well.

Kwanza celebrates the freedom to live,  
practice and enjoy African culture within  
other cultures.

As you think on these things, contemplate  
how you can be part of making a better  
America for those who follow after.

Remember to pray for all those who have  
an empty place in the circle this year.



"Guide us to that perfect Light."

