

BEEHIVE ROCK & GEM CLUB
DAVID HARRIS, EDITOR
2208 NORTH 700 WEST
OGDEN, UT 84414



*Merry Christmas and a Happy New Year
from the Beehive Rock & Gem Club to
You and Your Family*

Next meeting on Jan 26th

**TIME VALUE DO NOT DELAY
FIRST CLASS MAIL**



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OGDEN, UTAH 84402

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December 2012

**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.

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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

No club meeting in December. Note for January 26, 2012 Program:

As usual, "Rocky Ray" is putting together a slideshow of our 2011 Rock Trips for the January meeting. He is requesting for members to send their photos to him by the second week of January.

Send photos to: rrkrutledge@gmail.com

We will also hold our annual winter party with a pot-luck dinner for our January 2012 meeting. Details on the dinner will be in the next newsletter.

A reminder for those who haven't paid dues yet: Dues become *overdue* January 1, 2012!

Thank you to those who have already paid!

Best wishes to you and your family during this holiday season. May you be blessed with good health, good fortune, and a desire to do something with all those rocks in your garage. May the newsletter be sent out every month glitch-free. May your stockings be stuffed with rocks...
 ...Good rocks of course!

Dave Harris, Editor





Presidents Message

December 5, 2011

Bonnie and I would like to wish everyone a Merry Christmas, a happy and safe New Year. We are enjoying Quartzsite AZ with Sherm and Riki Thompson as neighbors here.

Joe Kent, President

November Meeting

November is election month. Elections were easy this year. A new secretary was nominated and the other officers stayed the same. On open vote was taken and passed unanimously. Congratulations to Dave Offret on being the new secretary. We look forward to a good year next year.

Our club display at the Huntsville library will be approximately 5 December 2011. Since Dean is not available and no one volunteered, Joe talked Alice Crittendon into heading the project. If you are interested in displaying contact Alice as soon as possible. Her number is in the directory.

That being all the business, we went to a movie on dinosaurs that Joe picked out. The movie ran about 100 minutes and was very good.

See all of you next year, as there is no meeting in December.

Norine Ramos, Secretary

Show Dates

January 2012

1-31— **QUARTZSITE, ARIZONA:** Wholesale and retail show; Desert Gardens RV Park; 1055 Kuehn St., I-10 Exit 17; Sun. 9-6 daily; free admission; crystals, minerals, rough, polished, jewelry, lapidary equipment; contact: Sharon or Sandy, 1055 Kuehn St., Quartzsite, AZ 85346, (928) 927-6361; e-mail:

dggemshow@ureach.com; Web site:

www.desertgardensrvpark.net

6-15— **QUARTZSITE, ARIZONA:** Annual show; Tyson Wells Enterprises Inc.; Tyson Wells Show Grounds, 100 W. Kuehn St.; Fri. 9-5 daily; free admission; rocks, gems, minerals, jewelry, silver and gold smithing, faceting, precious metals, lapidary tools, equipment, supplies; contact: Kym Scott, P.O. Box 60, Quartzsite, AZ 85346, (928) 927-6364; e-mail: tysonwells@tds.net; Web site:

www.tysonwells.com

January - February 2012

26-12— **TUCSON, ARIZONA:** Wholesale and retail show; Eons Expos RLLLP; 22nd St., at I-10; Thu. 9-6 daily; free admission; minerals, fossils, dinosaurs, crystals, gems, jewelry, meteorites; contact: Christine Coyle, 38 Fox Ridge Rd., Sparta, NJ 07871, (516) 818-1228; e-mail: lowellcarhart@yahoo.com; Web site: www.22ndstreetshow.com

28-11— **TUCSON, ARIZONA:** Arizona Mineral & Fossil Show; Martin Zinn Expositions; Ramada Ltd., 665 N. Freeway; Thu. 10-6 daily; free admission; more than 400 dealers, free shuttle among locations, Artists' Gallery at the Hotel Tucson City Center; contact: Martin Zinn Expositions, PO Box 665, Bernalillo, NM 87004-0665; e-mail: mzexpos@gmail.com; Web site: www.mzexpos.com

Check www.rockngem.com/showdates for other shows.

January Birthdays & Anniversaries

BIRTHSTONES – Garnet for Canstancy, a group of double silicates with calcium, manganese, iron, aluminum and chromium additions which determine the color. Hardness 7-7.5. The red shades are January's gemstone.

Onyx, the Sone of Sadness, once thought to bring bad luck. Onyx is a variety of white and color banded agate or calcite travertined. Hardness of 7. We collect travertine onyx, laid in non-crystalline calcite layers by geysers.

ANNIVERSARY – Garnet, 18th cabochon or faceted.

FLOWERS – Carnation or Snowdrop.



Beehive Rock & Gem Club Mini-Show

Weber County Library, Ogden Valley Branch, 131 S 7400 E, Huntsville, Utah
December 5, 2011 through January 5, 2012



Thanks to Alice Crittenden,
Mini-show Chair, for
organizing the show.

Reminder, all displays need
to be removed by Jan 5, 2012.

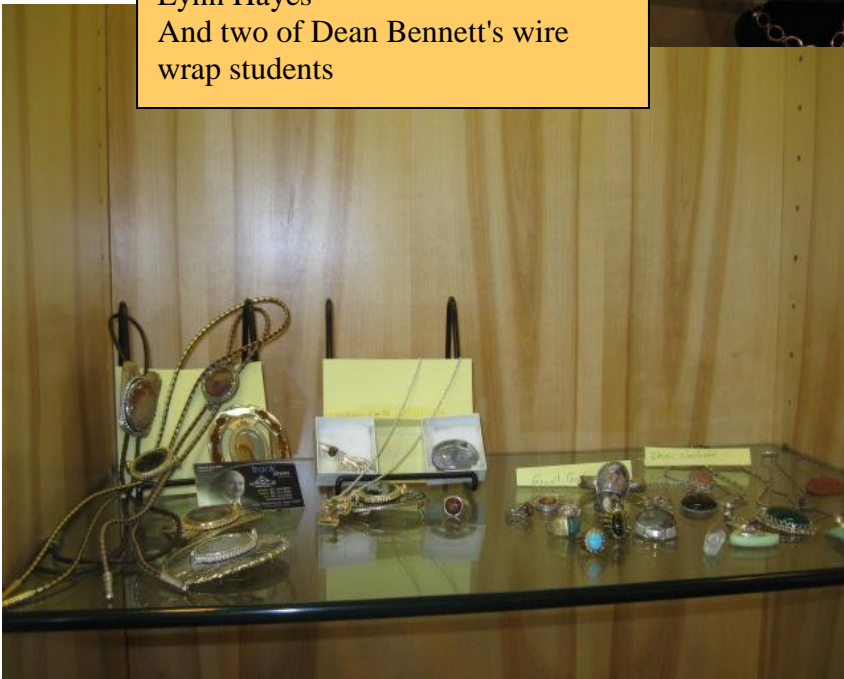




Photos by Jim Alexander

Exhibitors:

- Blaine Noorlander
- Kay & Blaine Berry
- Mike Beard
- Les Tryon
- "Rocky" Ray Rutledge
- Ray Law
- Alice Crittenden
- Lynn Hayes
- And two of Dean Bennett's wire wrap students



Take the short trip up Ogden Canyon to see the Mini-show, preferably before the weather gets bad.



A CLOSER LOOK AT A JURASSIC DINOSAUR BONE FROM THE MORRISON FORMATION, COLORADO: A DINOSAUR BONE PRIMER

BY KURT LAHMERS, COLORADO SPRINGS MINERALOGICAL SOCIETY JUNIOR MEMBER

A closer look at a dinosaur bone found in the Garden Park area of Cañon City, Colorado (USA) shows some interesting details on the end of the bone. The holes in the dinosaur bone shown in figure 1 used to be tube-like structures called Haversian canals. Haversian canals are branching channels where the blood vessels and nerve fibers are carried through the bone.

Surrounding these canals are bone tissues called osteons. The osteons are part of the cortical bone, or the compact bone.

The cortical bone is the structure of bone that holds up the body, while on the other hand, the spongy bone marrow (cancellous bone) produces red blood cells. The cortical bone is the outside structure of the bone that surrounds the cancellous spongy bone.

This dinosaur bone that is part of this study is on siltstone. Siltstone is composed of very fine-grained sandstone that has been deposited as silt. Through heat and pressure, this silt compacted and hardened into siltstone. This material is found in semi-quiet depositional areas including ponds and lakes where standing or slow moving water permits fine-grained sandstone to fall to the lakebed forming silt. The dinosaur could have died either while in or near a body of water. Silt covered the bones and the water allowed silica to replace the cells, one-at-a-time over a millennia.

This large dinosaur bone (Figure 2)—petrified in what became known as the Morrison Formation—quietly waited to be discovered and studied by the Colorado Springs Mineralogical Society (CSMS) Pebble Pups and Junior members. This paper is the result of a CSMS Pebble Pup and Junior member study group to: 1) look some of the structures of a dinosaur bone and, 2) to learn how to take pictures of paleontological specimens. We accomplished our mission in the 45-minute monthly class. More exciting studies and papers are planned.



Figure 2. This Jurassic dinosaur bone was once a rather large, live, and active dinosaur that was part of a prehistoric ecosystem that included streams and ponds. Photo by K. Lahmers. S.W. Veatch specimen.



Figure 1. As shown in this photo, the Haversian canals have dried out, leaving hollow holes throughout the bone. Photo by K. Lahmers. S.W. Veatch specimen.

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- Unk., . "Siltstone." Siltstone. LSF, 18/07/00. Web. 17 Jul 2011. <<http://csmres.jmu.edu/geollab/fichter/SedRx/Rocks/Silt1.html>>.
- Unk., . "Siltstone." Siltstone. B2bchinastone.com, 2008. Web. 21 Jul 2011. <<http://www.b2bchinastone.com/products-112/siltstone.html>>.
- Unk. "Haversian Canal." Wikipedia. March 2011. 1. USA: Wikipedia Foundation, 2005. Web. <http://en.wikipedia.org/wiki/Haversian_canal>.

Author's biography: Kurt is a member of the CSMS Junior study group and is a 9th grade student at Doherty High School in Colorado Springs, Colorado. He is a respected mentor to the younger Pebble Pups.

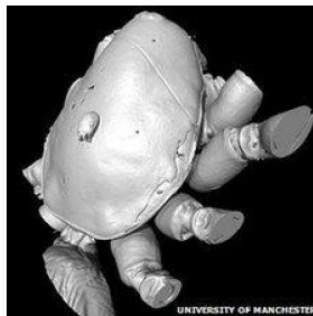
'SMALLEST FOSSIL' SCANNED BY UNIVERSITY OF MANCHESTER

An X-ray scan of Baltic amber at the University of Manchester has revealed what scientists have said is the "smallest arthropod fossil ever". The 50 million-year-old mite, which was found on a fossilized spider, is just 170 millionths of a meter long.

The find, published in the Royal Society's *Philosophical Transactions* (CT) which builds up a 3-D image from flat was "extremely rare". Baltic amber, the fossilized resin of trees from the area around the Baltic Sea, can contain fossilized arthropods - insects, mites, and other small animals, which were "preserved with lifelike fidelity".

The size of the mite means it is barely visible at the university's Faculty of Life Sciences would "CT allowed us to digitally dissect the mite off the underside required for identification," he said.

"The specimen, which is extremely rare in the living family Histiostomatidae. Most amber fossils consist of individual insects or several insects together, but without unequivocal demonstrable evidence of direct interaction. The remarkable specimen we describe in this paper is the kind of find that occurs only once in, say, a hundred thousand specimens." *Via Pueblo Rockhounds*, 11/11; via <http://www.bbc.co.uk/news/uk-england-manchester-1565556>.



Biology Letters, was made using computed tomography images. Biologist Dr. David Penney said the fossilized resin of trees from the area around the Baltic arachnids and crustaceans - within it, which Dr. Penney

without a microscope, and Dr. Penney said the team not have been able to identify it without the CT scan spider in order to reveal the important features on

fossil record, is potentially the oldest record of the sils consist of individual insects or several insects evidence of direct interaction. The remarkable speci-

A Brief History of Quartzsite

By Robert J. Waltz

Around 1856, the area in which interstate 10 crosses US 95 was called Tyson Wells Stage Coach Station, a necessary refreshment stop for cross-country stage coach travelers. The town, as such, consisted of a single adobe building that was commonly called Fort Tyson because of its fort-like appearance. It was not until 1896 that the name Quartzite was suggested because of the prevalence of that type of rock in the area. Inadvertently, the U.S. Postal Service named the region Quartzsite because of a spelling oversight.

Gold, silver, and copper mines were dug in the area, though none yielded a great deal of ore. Some of the more prosperous mines were the Cinnabar, Copper

Bottom, Maraquita, Moon Mountain, and Gold Nugget. Quartzsite did experience one boom, however, at the turn of the century during the countrywide gold-mining craze. Quartzsite then had ten saloons, a Chinese restaurant, barbershop, and other metropolitan establishments.

The mining boom did not last very long and soon Quartzsite almost became a ghost town. Quartzsite again reached a plateau and the town's population fell to only 50 by the 1060's.

Yet every year a phenomenon that had developed for quite some time was finally becoming pronounced – every January the population rose to 1500 because flocks of migrating “snowbirds” had started to come to roost for the winter.

Recognizing that Quartzsite possessed a potential for even more growth as a winter retreat, a group of resident citizens formed the Quartzsite Improvement Association (QIA). The group was made up of many rockhounds, and after much debate and discussion, it was decided that a rock and gem show would be the perfect event representative of Quartzsite Pow-Wow that would draw winter visitors in an organized manner. In 1967, the first Quartzsite Pow-Wow convened and drew around 1,000 people.

Knowing that the success of the rock show would only grow, the association was given four acres of land by local benefactor Sig Sigurdson, and in 1968 a civic center was built on the land. The show drew 12,000 people in 1969.

In 1973, the QIA members numbered over 500 and in 1974 the Pow-Wow proved to a success undreamed of even by the most ardent worker. In all, 200,000

people visited Quartzsite – 90,000 people a day. The growth has just continued. In 1975, 500,000 people came to the Pow-Wow, and 700,000 in 1976. In 1978, some estimates put the visitors over the one million mark. And from then on, every February little Quartzsite has been the undisputed snowbird capital of the world.

Original source not given, via Pegmatite 1996, via Chips 1/99



Quartzsite Improvement Association:
www.qiaaz.org

The Desert Gardens International Rock Gem and Mineral Show:
[www.desertgardensrvpark.net/Desert Gardens Rock Gem and Mineral Show.html](http://www.desertgardensrvpark.net/Desert_Gardens_Rock_Gem_and_Mineral_Show.html)

Quartzsite Gem and Mineral Club:
www.quartzsitegemandmineralclub.org

Federal Bills Compete Over National Forest Roads

November 22, 2011

Susanne Rust (Susanne Rust/California Watch)

<http://californiawatch.org/dailyreport/federal-bills-compete-over-national-forest-roads-13698>

Nearly 60 million acres of national forests were put off-limits to motor vehicles, road building and logging during the Clinton administration.

Last week, a bill was introduced that would turn that rule into law. According to U.S. Sen. Maria Cantwell, D-Wash., a sponsor of the bill along with U.S. Rep. Jay Inslee D-Wash., the Roadless Area Conservation Act would protect “hundreds of thousands of jobs across the country.”

Various forms of this bill have been introduced by Inslee and Cantwell since 2002. “There is an urgent need to safeguard the remaining undeveloped forest lands as a home for wildlife, a haven for recreation and a heritage for future generations,” Cantwell said.

But not everyone is convinced. And one California congressman wants to make sure that bill never sees the light of day. Instead, U.S. Rep. Kevin McCarthy, R-Calif., introduced a bill – the Wilderness and Roadless Area Release Act – in April that would release about 43 million of those acres to be used for oil and gas development, motorized recreation and logging.

“Millions of acres of land across the United States are being held under lock and key unnecessarily,” McCarthy said. “My bill acts on recommendations made by government agencies managing these lands so they are opened up for increased public use.”

The recommendations upon which McCarthy’s bill relies are from a 1979 U.S. Forest Service report [PDF] that the U.S. Environmental Protection Agency had called “inadequate because of its use of unsupported and undocumented statements, its lack of related data on demands for resources, and its unbalanced economic approach.”

The report recommends keeping 15 million acres protected, allocating 36 million for non-wilderness and holding an additional 11 million aside for further planning.

"This is just common sense," McCarthy said. "By opening these lands up to the residents of our local communities and across the country for their use and

enjoyment, we can help create jobs, boost local economies and reduce the risk of catastrophic wildfires."

Joe Walsh, a spokesman for the U.S. Forest Service, said the document is not one the Forest Service uses anymore. "Science changes," Walsh said. "We like to use the latest science we have, so we're always on the cutting edge."

According to the 1979 report: “Resource trade-offs were compelling reasons for allocating a roadless area to either the wilderness or non-wilderness category.”

“Areas with high oil and gas potential were normally not allocated to wilderness,” the report stated, adding that “high timber values have been used as reasons to allocate an area to non-wilderness.”

Andrea McCarthy, a spokeswoman for Kevin McCarthy, said it makes sense to allow local land managers to have a say in how to use these resources. “These decisions should be made on a local level, not left up to bureaucrats in D.C.,” she said. She added that the bill “does not terminate existing, congressionally designated wilderness areas, nor does it release wilderness study areas or roadless areas deemed suitable for wilderness.”

The roadless rule, which was issued in 2001 by President Bill Clinton, was the result of the largest public lands review process in U.S. history. It also has been in the courts since its inception. Five months after it was implemented, a federal court in Idaho blocked it. Then, in 2005, the Bush administration repealed the rule and replaced it with a state petition process. Attorneys general in California, Oregon, New Mexico and Washington sued, and in 2006, a federal judge ruled in their favor. The case then went to the 9th Circuit Court of Appeals, which ruled in favor of the Clinton rule.

In 2008, a federal judge in Wyoming blocked the rule. That was then sent to the 10th Circuit Court of Appeals, which last month ruled again in favor of the Clinton rule.

With two agreeing rulings from the circuit courts, the rule will stand – unless a new law is made. “The courts agree on the ruling,” said Paul Spitler, a policy expert with The Wilderness Society, “but Congress trumps rulings. And if McCarthy's bill gets through, these rulings are irrelevant.”

From Steve Henson, via Shirley Leeson, Rockhound Advocate
Via Magic Valley Gem News 12/11

Bench Tips

by Brad Smith

REMOVING A STONE FROM BEZEL SETTING

If you've forgotten to use dental floss and got your stone caught in a bezel, there's one thing you can try before starting to pry. Find some sticky wax or beeswax. Roll it into a pencil-sized cylinder and stick the end onto the top of the stone. Mold it on well and yank. If all else fails, you either have to very carefully pry open the bezel with a sharp knife blade or drill a small hole in back of the stone and push it out with the point of a scribe

FOREDOM STAND

A quick and easy way to suspend a Foredom over your jewelry bench is to use some steel pipe components from your local hardware store. It attaches with a couple screws and costs a little over \$10 I use 1/2 inch galvanized pipe and fittings. To build a stand that attaches to the top of your bench, all you'll need is a flange and a thirty inch length of the pipe. If you prefer a stand that attaches to the side of your bench, you'll need a little longer pipe, three foot, a flange, and a 90 degree "street elle". Finally, make a hook that goes into the top of the pipe to hang the motor from. You can use heavy coat hanger wire or better yet, a 1/8 steel rod from the hardware store.

BALL BURS

I use ball burs quite a bit for carving and for cleaning up bits of solder that need to be removed. Ball burs seem to be more controllable than other cutting burs. They're less apt to grab and walk over your piece leaving nasty scars. And I've found that size matters. The large 8-10 millimeter size is a useful size for carving off bulk material while the small half millimeter or less size can be used at high speed for signing your name on the back of the piece.

CLEANING STEEL SHOT

Steel shot in a vibratory or rotary tumbler works great to burnish up your finished silver pieces. Surfaces are shined and hardened by the shot impinging on it. Carbon steel shot can get rusty and even stainless steel can develop a blackish coating that's hard to remove. My solution of choice to clean the shot is Classic Coke. Just pour an ounce or two over the shot and let the tumbler run for an hour or so. A bad case might require a second cleaning. I'm no chemist, but I've heard that it's the phosphoric acid in Coke that does

the trick. While you're waiting for the shot to clean up, just settle back and enjoy the rest of the Coke.

More BenchTips by Brad Smith are at:

Yahoogroups.com/group/BenchTips/ or
Facebook.com/BenchTips/

Via Rocky Review 12/11



Santa is a Rockhound

(A Lapidarist's version of the Night Before Christmas)

'Twas the night before
Christmas and all through the
house
Not a Rockhound was stirring
---I felt like a louse!
For the lapidary gifts I was
making this year

Lay down on my bench, UNFINISHED, I fear!
The pendant my dear wife wanted so much
As I polished the cab, it fractured with a touch;
And the lovely jade brooch for Grandma so sweet,
Just wouldn't polish - it looked terribly beat.
As for Sister's new bracelet with baroques dangling
lightly,
I ran out of bell caps after the stores were
closed tightly.
Then the tie clasp for Uncle that would make
such a hit,
After I cut the cab, no mounting would fit!
And even Junior's new crystal growing set
Though I'd sent for it months ago,
had not arrived yet! So I tossed and I turned as
though caught in a trap.
I could not settle down for a "long winter's nap."
When all of a sudden I heard such a clatter,
I sprang from my bed to see what was the matter;
I raced for the door then saw with a flick
a red suited man I was sure was Saint Nick.
As I reached for my robe and was turning around
Down the basement stairs, Santa went with a
bound.
He went straight to my workbench to see what I
lacked,
Then with a nod of his head, he opened his pack
Out tumbled such mountings and bell caps without
stop,
I was sure Santa must own a Lapidary Shop!
He said not a word but went straight to his work,
And finished each piece, then grabbed his pack with a
jerk.
And shaking his white-bearded face with much

glee,
Took out some new slabs I knew must be for me!
Then, laying his finger aside of his nose,
With a nod of satisfaction, up the stairway he rose.
Went straight to the door, to his team gave a
whistle
And away they all flew like the down of a thistle.
But I heard him exclaim 'ere he drove out of sight,
"Merry Christmas, Dear Rockhounds, and to you a
good night.

Original author unknown

Via Hy Grader and Coastal Waves 2005, via Scribe Oct-Dec/11



Via Golden Spike News 12/11

No Doubt About It!

By Ruth Walsh

There's one book I know
Will have a sad ending.
And what's that?
My Checkbook, at the of the month's spending.

Via Beehive Buzzer 12/95

My Christmas List

By Ruby Elliot

There's nothing I want for Christmas
'cept the smile on a loved one's face,
And a friend or two that is ever true
And the joy of a warm embrace.

There's nothing I need this
Christmas
Like the clasp of a friendly hand,
And a word to cheer, an ear to hear,
And a heart to understand.



I've no list to send to Santa
There's nothing I'm wishing for;
No watches or rings or material things
That you buy in a store.

All I want is a friend with a true heart
That will ever faithful be;
Just someone to care who'll ever be there
To say, "Merry Christmas: to me.

From West Seattle Petroglyphs, via Eureka News 12/83,
via Beehive Buzzer 12/02

A Christmas Greeting

By Joan Abramson

May your Christmas be like diamonds,
Ever shining with God's light,
Radiantly health,
Ruby warm with friendship bright.
Yuletide trees with ornaments.

Carrousel of gems
Hanging down from emerald boughs —
Royal Diadems!
Icicles of amethyst,
Sapphires' glowing spheres,
Topaz sunny as our thoughts
Marking happy years.
All these jewels we send your way.
So have a treasured holiday!



Via Pegmatite 12/89, via Beehive Buzzer 12/02

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 celebrates 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 fulfilled. Daniel 9:35 begins approx. 450 B.C. 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 9:26, Isa 53:3-12; His teachings 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 pry for all those who have an empty place in the circle this year.

Via Beehive Buzzer 12/01