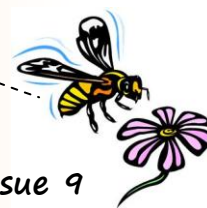




Beehive Buzzer

September 2012

Volume 39 Issue 9



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Club Notes:

- **Club dues are due OCT 1!**
Thanks to those who have paid!
- **Reminder...Nov meeting moved to Nov 29th due to Thanksgiving.**
- **Field Trip to Floy Wash 12-14 Oct. Details on page 8.**

Club Program Preview for September 27



Why are most of our minerals located in the western USA?

Why is the western USA such a jumble of silica type volcanics and sandstones while mixed with only few older limestones thrust into mountains?

What's going on with our earth? Why all the earthquakes, volcanoes?? What's making all this stuff happen?

An interesting visual program on "Plate Tectonics" should stretch your understanding and let you know why being a "rockhouser" in the western USA is the best place ever!!

"Rocky" Ray, Program Chairman

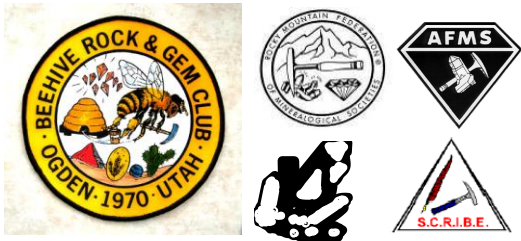
We wish a speedy recovery to Joe and Blaine...

Joe Kent is recuperating from surgery to repair a shoulder injury he received from a ATV incident on a rock trip. He is doing well and has his arm in a restraint.

Blaine Berry recently cut his left hand on a saw. The injury has been repaired after several surgeries. It has been a struggle but Blaine is now undergoing physical therapy to restore the movement of his fingers.

Editor's Note about Club Dues...

Dues are \$16 for a family/couple for a year. That's \$1.33/month or 4.4 ¢/day. What can you buy for \$16 these days? Not much. But for \$16 you get interesting club programs, field trips, rubbing shoulders with people who love rocks, and, of course, the *Buzzer* every month. *Best deal around!*





National Fossil Day October 17, 2012

Yes, there is a National Fossil Day. Who knew? The National Park Service, in partnership with museums, parks, universities, and non-profit organizations, will host events nationwide allowing the public to better understand the world's fossil heritage. The first was held on October 13, 2010. It is held every year during Earth Science Week (See below).

The Official National Fossil Day Website:

<http://www.nature.nps.gov/geology/nationalfossilday/index.cfm>

For Activities and Events in Utah:

<http://www.nature.nps.gov/geology/nationalfossilday/events.cfm#UT>

Junior Paleontologist Program



The Junior Paleontologist Program is a part of the National Park Service Junior Ranger Program. And is designed to engage young people in activities that helps them to discover the significance of fossils and the science of paleontology. Learn more...
<http://www.nature.nps.gov/geology/nationalfossilday/jr/paleo.cfm>

Earth Science Week



Earth Science Week 2012 will be held October 14-20 & encourages people everywhere to explore the natural world and learn about the geosciences. This year's theme is "Discovering Careers in the Earth Sciences". Since October 1998, the American Geosciences Institute (AGI) has organized this international event to help the public gain a better understanding and appreciation for the Earth Sciences.

Check the web site for events and activities.

Official Website: <http://www.earthsciweek.org/>

See Also:

American Geosciences Institute:
<http://www.agiweb.org/>

On the Web

Curiosity Rover: Solar Day 2



OK! THIS IS SUPER COOL!

This is a 3-D camera panorama from atop the Curiosity Mars rover's mast. Move the cursor and turn the camera all around and up and down. Full screen view highly recommended.

<http://www.360cities.net/image/curiosity-rover-martian-solar-day-2#444.39,74.42,110.0>

Looks like Death Valley, California.

See another Curiosity Rover article on page 5.



Articles Relating to Utah Law Taking Control of Federal Lands

Hatch, Bishop Back Utah Lawmakers' Effort to Control Federal Lands

By Dennis Romboy, Desert News, March 13, 2012

<http://www.deseretnews.com/article/865552122/Hatch-Bishop-back-Utah-lawmakers-effort-to-control-federal-lands.html?pg=all>

Herbert Signs Bill Demanding Feds Cede Public Lands to Utah

By Dennis Romboy, Desert News, March 23, 2012

<http://www.deseretnews.com/article/865552769/Herbert-signs-bill-demanding-feds-cede-public-lands-to-Utah.html>

Brewer Vetoes Arizona's Federal Land Takeover Bill

By Howard Fischer, Capitol Media Services, May 15 2012

http://www.eastvalleytribune.com/arizona/article_35bef61a-9eb0-11e1-8d07-0019bb2963f4.html.

Public Lands War Heats Up Between SUWA, Gov. Gary Herbert

By Amy Joi O'Donoghue, Deseret News, July 22, 2012

<http://www.deseretnews.com/article/765591572/Public-lands-war-heats-up-between-SUWA-Herbert.html>

ALEC Meeting Sparks Support From Governor, Protests

By Lisa Riley Roche, Deseret News, July 25, 2012

<http://www.deseretnews.com/article/865559549/ALEC-meeting-sparks-support-from-governor-protests.html>

AN ODE TO A ROCK

BY KURT LAHMERS

COLORADO SPRINGS MINERALOGICAL SOCIETY PEBBLE PUPS/JUNIOR MEMBER PROGRAM

From a presidential mountain face,
to the far reaches of outer space;
lays boundless, amazing discoveries,
as rocks yield their secrets in all countries.

Some rocks can reach massive sizes,
while others fit through needle eyes;
some are shiny, and others are not.
But all are remarkable, when put to thought

The sandstone arches in the Utah sun
is a rock landscape that can't be outdone.
The relentless, ever-changing weather
brings rain, snow and ice altogether.

The granite peaks through Colorado
Create a large elongated shadow show
While they slowly erode, silently away—
but is unnoticeable in our daily fray

Through craters and volcanic plains
along the orbit where the moon reigns,
are fields of extraterrestrial moon stone
that every geologists would love to own

Rocks are seemingly everywhere;
over here and surely over there,
From mountaintops to the forest floor—
In outer space, and right outside the door.



Drawing by the author

Source: *Rocky Mountain Federation News* August 2012

From the 1st Man on the Moon: Neil Armstrong



"I think we're going to the moon because it's in the nature of the human being to face challenges. It's by the nature of his deep inner soul... we're required to do these things just as salmon swim upstream."

"Geologists have a saying – "rocks remember". "

"It's a brilliant surface in that sunlight. The horizon seems quite close to you because the curvature is so much more pronounced than here on earth. It's an interesting place to be. I recommend it. "

"The one thing I regret was that my work required an enormous amount of my time, and a lot of travel. "

"Science has not yet mastered prophecy. We predict too much for the next year and yet far too little for the next ten. "

"Mystery creates wonder and wonder is the basis of man's desire to understand."

"It suddenly struck me that that tiny pea, pretty and blue, was the Earth. I put up my thumb and shut one eye, and my thumb blotted out the planet Earth. I didn't feel like a giant. I felt very, very small."

"The important achievement of Apollo was demonstrating that humanity is not forever chained to this planet and our visions go rather further than that and our opportunities are unlimited. "

"Houston, Tranquillity Base here. The Eagle has landed."

Neil Armstrong passed away Aug 25 at the age of 82.

One Line Zingers from Phyllis Diller

"A smile is a curve that sets everything straight."

"Always be nice to your children because they are the ones who will choose your rest home. "

"Best way to get rid of kitchen odors: Eat out. "

"Cleaning your house while your kids are still growing up is like shoveling the walk before it stops snowing."

"Housework can't kill you, but why take a chance?"

"I want my children to have all the things I couldn't afford. Then I want to move in with them. "

"Most children threaten at times to run away from home. This is the only thing that keeps some parents going. "

"My photographs don't do me justice - they just look like me. "

"Never go to bed mad. Stay up and fight. "

"Old age is when the liver spots show through your gloves. "

"The reason women don't play football is because eleven of them would never wear the same outfit in public."

"Tranquilizers work only if you follow the advice on the bottle - keep away from children."

"Whatever you may look like, marry a man your own age - as your beauty fades, so will his eyesight. "



Phyllis Diller passed away Aug 20 at the age of 95.

September

27

**Monthly Club Meeting
Roy Library
7 pm**

October

1

Due Date for Dues

2

**Board Meeting
Ogden Airport
7 pm**

12-14

**Multi-Club Field Trip
Floy Wash, Utah**

14-20

Earth Science Week *

17

National Fossil Day *

25

**Monthly Club Meeting
Roy Library
7 pm**

November

6

**Board Meeting
Ogden Airport
7 pm**



**Election Day
7 am – 8 pm**

22



29

**Monthly Club Meeting
Roy Library
7 pm**

December

No Meetings

25

Christmas



*See Page 3 for more info

Show Dates

September

21-23—SANDY, UTAH: Wholesale and retail show; Gem Faire Inc.; South Towne Expo Center; 9575 S. State St.; Fri. 10-6, Sat. 10-6, Sun. 10-5; adults \$7 (weekend pass), children (11 and under) free; jewelry, gems, beads, crystals, silver, rocks, minerals, exhibitors, on-site jewelry repair; contact Yooy Nelson, (503) 252-8300; e-mail: info@gemfaire.com; Web site: www.gemfaire.com

8-16—DENVER, COLORADO: Denver Coliseum Show; Eons Expos; Denver Coliseum; 4600 Humboldt St.; Daily 9-6; free admission; 150 wholesale and retail dealers, fine minerals, fossils, meteorites, petrified wood, amber, articulated dinosaurs, museum exhibits, tent show begins Sept. 8, Coliseum show opens Sept. 12; contact Eons Expos, Christine Perner, (516) 818-1228; e-mail: christine@eons-expos.com; Web site: www.ColiseumShow.com

12-16—DENVER, COLORADO: Fall Colorado Mineral and Fossil Show; Martin Zinn Expositions LLC; Ramada Plaza Hotel (formerly Holiday Inn-Denver Central); 4849 Bannock St.; Daily 10-6, Sun. 10-5; free admission; 200 wholesale and retail dealers, free shuttle bus to Merchandise Mart; contact Martin Zinn Expositions, PO Box 665, Bernalillo, NM 87004-0665; e-mail: mzexpos@gmail.com; Web site: www.mzexpos.com

28-30—TOOLE, UTAH: Tooele Gem & Mineral Show, 400 N. 400 West St., Toole, UT; contact Craig McKee, (435) 884-6059

October

6—MOUNTAIN HOME, IDAHO: Annual show; Eureka Rock & Gem Club; Senior Citizen Center; 1000 N. 3rd E.; Sat. 9-4; free admission; contact Roger Beck, (208) 587-9374; e-mail: westbeck@earthlink.net

12-14—MOAB, UTAH: Annual show; Moab Points & Pebbles Club; Old Spanish Trail Arena; 3641 S. Hwy. 191; Fri. 10-7, Sat. 10-7, Sun. 10-4; free admission; dealers, field trips, demonstrations, displays; contact Jerry Hansen, PO Box 1459, Moab, UT 84532; e-mail: moabrockclub@live.com

Check <http://www.rockngem.com/show-dates-display/?ShowState=ALL> for other shows throughout the country.

At the Lumber Yard...

Some men in a pickup truck drove into a lumberyard. One of the men walked in the office and said, "We need some four-by-twos."

The clerk asked, "You mean two-by-fours, don't you?"

The man said, "I'll go check," and went back to the truck.

He returned and said, "Yeah, I meant two-by-four."

"Alright..How long do you need them?"

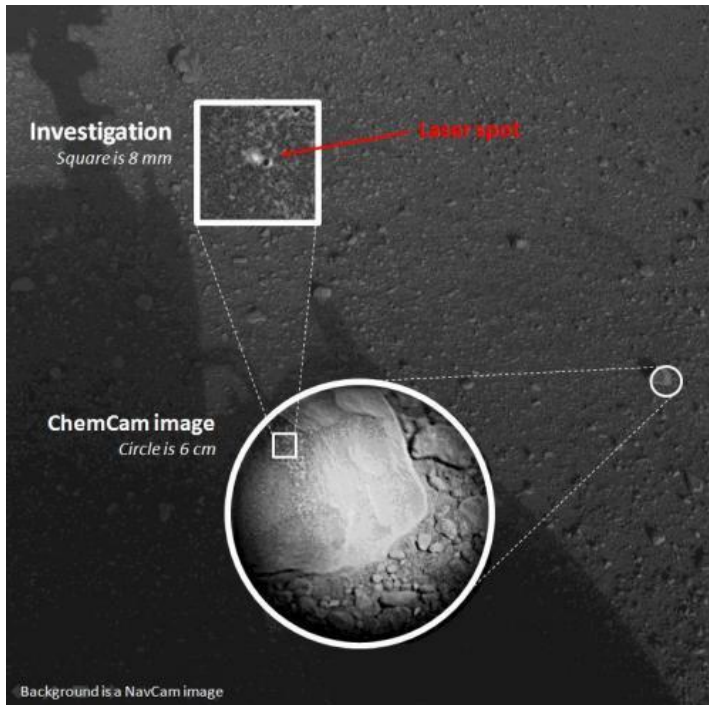
The customer paused for a minute and said, "I'd better go check."

After a while, the customer returned to the office and said, "A long time. We're gonna build a house."



Curiosity Rover's Laser Instrument Zaps First Martian Rock

By Guy Webster, August 19, 2012



This composite image, with magnified insets, depicts the first laser test by the Chemistry and Camera, or ChemCam, instrument aboard NASA's Curiosity Mars rover. Image credit: NASA/JPL-Caltech/LANL/CNES/IRAP

Today, NASA's Mars rover Curiosity fired its laser for the first time on Mars, using the beam from a science instrument to interrogate a fist-size rock called "Coronation."

The mission's Chemistry and Camera instrument, or ChemCam, hit the fist-sized rock with 30 pulses of its laser during a 10-second period. Each pulse delivers more than a million watts of power for about five one-billionths of a second.

The energy from the laser excites atoms in the rock into an ionized, glowing plasma. ChemCam catches the light from that spark with a telescope and analyzes it with three spectrometers for information about what elements are in the target.

"We got a great spectrum of Coronation -- lots of signal," said ChemCam Principal Investigator Roger Wiens of Los Alamos National Laboratory, N.M. "Our team is both thrilled and working hard, looking at the results. After eight years building the instrument, it's payoff time!"

ChemCam recorded spectra from the laser-induced spark at each of the 30 pulses. The goal of this initial

use of the laser on Mars was to serve as target practice for characterizing the instrument, but the activity may provide additional value. Researchers will check whether the composition changed as the pulses progressed. If it did change, that could indicate dust or other surface material being penetrated to reveal different composition beneath the surface. The spectrometers record intensity at 6,144 different wavelengths of ultraviolet, visible and infrared light.

"It's surprising that the data are even better than we ever had during tests on Earth, in signal-to-noise ratio," said ChemCam Deputy Project Scientist Sylvestre Maurice of the Institut de Recherche en Astrophysique et Planetologie (IRAP) in Toulouse, France. "It's so rich, we can expect great science from investigating what might be thousands of targets with ChemCam in the next two years."

The technique used by ChemCam, called laser-induced breakdown spectroscopy, has been used to determine composition of targets in other extreme environments, such as inside nuclear reactors and on the sea floor, and has had experimental applications in environmental monitoring and cancer detection. Today's investigation of Coronation is the first use of the technique in interplanetary exploration.

Curiosity landed on Mars two weeks ago, beginning a two-year mission using 10 instruments to assess whether a carefully chosen study area inside Gale Crater has ever offered environmental conditions favorable for microbial life.

ChemCam was developed, built and tested by the U.S. Department of Energy's Los Alamos National Laboratory in partnership with scientists and engineers funded by the French national space agency, Centre National d'Etudes Spatiales (CNES) and research agency, Centre National de la Recherche Scientifique (CNRS).

NASA's Jet Propulsion Laboratory, a division of the California Institute of Technology, Pasadena, manages the Mars Science Laboratory Project, including Curiosity, for NASA's Science Mission Directorate, Washington. JPL designed and built the rover.

More information about Curiosity is online at <http://www.nasa.gov/msl>; <http://mars.jpl.nasa.gov/msl/> More information about ChemCam is available at www.msl-chemcam.com.

Source: JPL/NASA

The Art of Rock Balancing

By Dave Harris



Bill Dan at Work

I would like introduce you to Bill Dan, the person who is probably most responsible for popularizing a new art discipline called rock balancing. He is an immigrant from Indonesia, and worked in a warehouse until he discovered his talent as a rock balancer. He is self-taught. (Where would go to school to learn this anyway?)

Since 1994, he has become a well-known figure for abstract rock sculptures. His studio is usually the waterfront of Sausalito, California but is also known to work at Fisherman's Wharf, Crissy Field or the Aquatic Park in San Francisco. He often draws large crowds wherever he is who watch him work.

You may also watch Bill Dan perform:

Bill Dan Balancing Rocks – Live in Sausalito

<http://www.youtube.com/watch?v=CuMAC6Dy66c>

Bill Dan is known as a performance artist. Whatever you call him, I just think his work is way cool. Bill Dan is able to take ordinary rocks from the riprap used to protect the shoreline to create vertical rock sculptures that seem to defy gravity.

Bill Dan has frequently been asked about the "meaning" of his work, and he often replies that "Some people try to make things too complicated. This is the opposite."¹

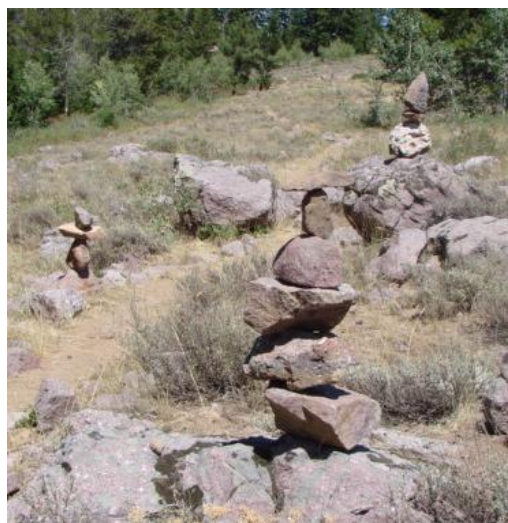
Photos used with permission



Skyline Balance 2 – Aquatic Park, San Francisco

I decided I needed to try it out. It was exhilarating and it got my creative juices flowing, but I have a warning. Like everything to do with rocks, it is very addictive. It is hard to resist the urge to see what you can create. It's like the potato chips. You can't just create one.

Here are a few examples of my results. They are not as impressive as Bill Dan, of course, but it was a very enjoyable experience for me. It is not as hard as one might think. It is a matter of selecting the right rocks and figure how they best fit together.



Rock Balancing by Dave Harris

Although my sculptures were precariously balanced they seem to have some permanence to them. I wanted to keep them up forever.

There is rock balancing community online which shares photos and tips:

Bill Dan's official website:

<http://www.rock-on-rock-on.com/sitemap.html>

Where Bill Dan showcases work of other balancers:

<http://billdan.blogspot.com/>

Bill Dan's photos on Flickr:

<http://flickr.com/photos/6681645/@N00/>

BBC ONE Program *Country Tracks*:

Stone sculptor Adrian Gray Shows How it is Done

http://www.youtube.com/watch?v=VMY56_Kaabo&feature=related

Reference:

1. KQED Spark Art Video Podcast: Bill Dan, Feb 22, 2007.

Now you have something else to do with rocks. If you are willing to try your hand at rock balancing, send pictures of your work to beehivebuzzer@gmail.com and I will publish them in the newsletter. You know you want to do it. *Go for it!*

Annual BBQ Picnic — Sandridge Park, Roy, UT — August 23, 2012

Plenty of delicious food, great company and of course rocks!



*Special Thanks ...
Thanks to David & Vel Law for buying desserts, drinks, etc.
Thanks to Dave Offret for getting the food from Holy Smoke BBQ.
Thanks to all those who helped set up and clean up.*

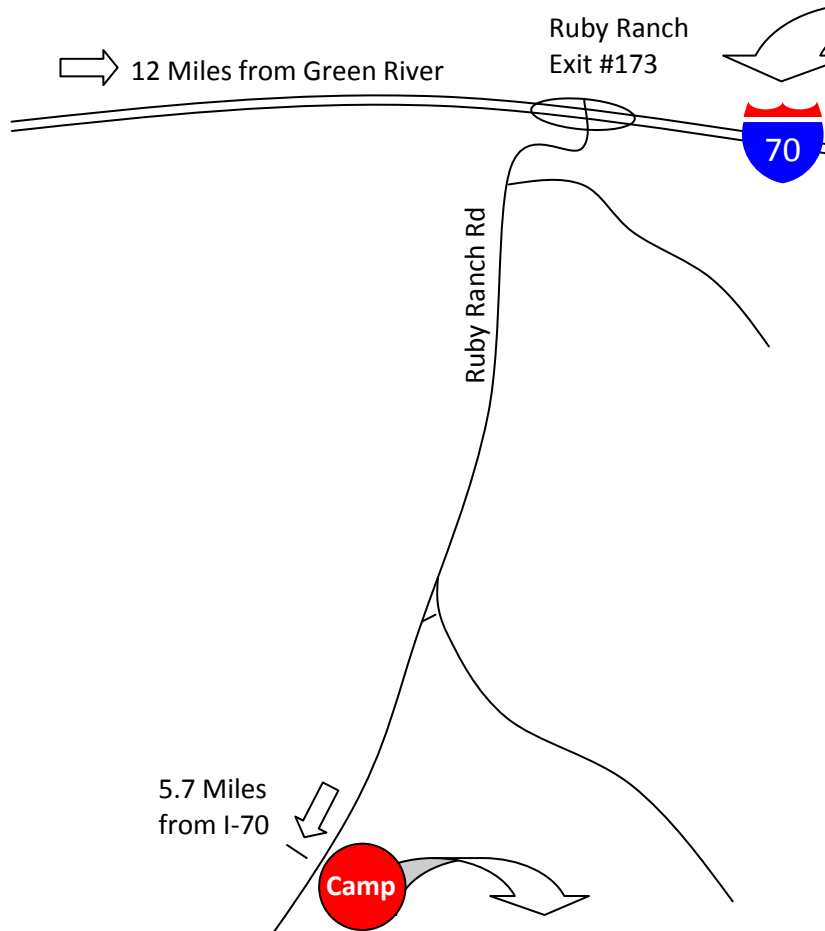
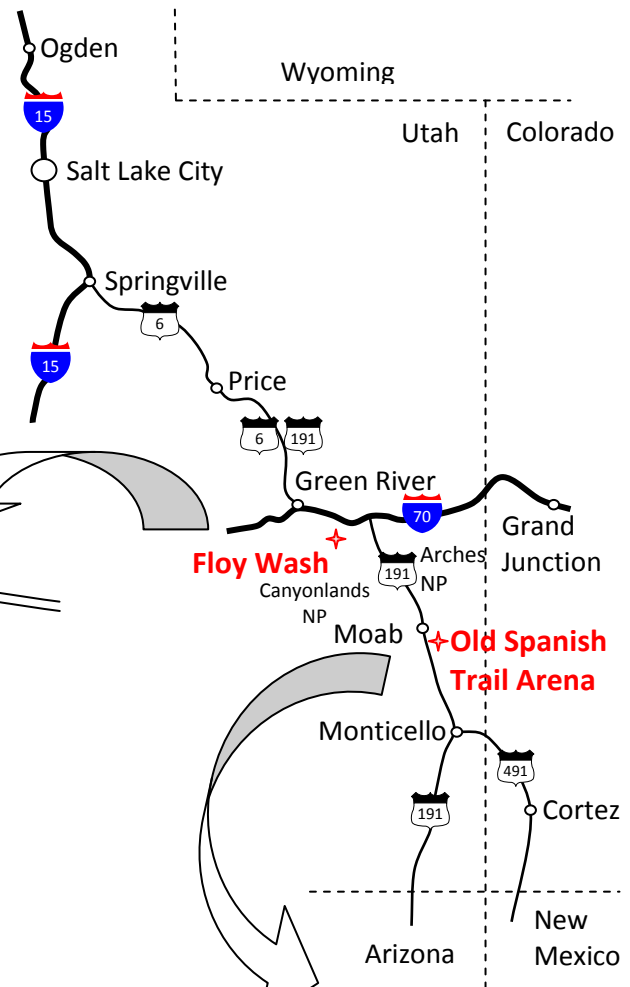


*Rock Sale Success!!!
Thanks to "Rocky" Ray for running the rock sale, to all who donated items, and to all those who bought items at the sale.*



Floy Wash Rendezvous and Moab Gem Show — Oct 12-14, 2012

This is our big trip of the year and people come from all over. Hunt agates, jaspers, petrified wood, gastroliths, coprolite, morganite, barites, selenite, flint, and more. Go to the show one day on your own. Pot luck on Sat. night. Share rocks, stories, trips, maps, and make new friends. Bring basic tools, shovels, containers, food, water, layered clothing, etc. Stay in motel in Green River if you don't want to camp. Trips leave at 8-9 a.m. each morning.



Moab Points & Pebbles Club Annual Rock Show
 Fri. 10-7; Sat. 10-7; Sun. 10-4
 Free Admission. See show listing on pg 4 for more info.
 Directions:
 Old Spanish Trail Arena
 3641 S. Hwy. 191, Moab, UT
 Located 5 miles south of downtown Moab on Hwy 191. (50 miles from Floy Wash.)
 Look for the Arena sign and a large red building on the East side of the road.



ASHFALL FOSSIL BEDS STATE HISTORICAL PARK, NEBRASKA

BY ALETHA HOOGETERP, MARCH 22, 2009

Ashfall State Park, located six miles north of US Highway 20 between Royal and Orchard, Nebraska in northern Antelope County, gives tourists a taste of animal life 12 million years ago when Nebraska was covered with subtropical grasses and jungle patches.

The park is situated on 360 acres of rugged rangeland in the scenic Verdigre Creek valley. Ashfall State Park offers a fascinating and educational experience for the whole family, a chance to step back in time and see what Nebraska wildlife was like long before modern man ventured onto the Great Plains. Visitors can watch the ongoing excavation of the site where the original 2,000 square foot "Rhino Barn" has been expanded with the new 17,500 square foot "Hubbard Rhino Barn" addition for the excavation and protection of many more buried fossils. Skeletons are uncovered and displayed exactly where they are found. Visitors get a close up view when paleontologists brush away the volcanic ash from the skulls of native American rhinos and the delicate side hooves of tiny ancestral horses.

During the excavation of the 550 foot long trench for the foundations of the new Hubbard Rhino Barn, 200 plaster field jackets, plus an additional 700 fragments were recovered from the periphery of the new Hubbard Excavation Barn in 2008. The fossils represent at least 20 species of animals that lived near the ancient Ashfall waterhole nearly 12 million years ago including rhinos, elephants, 3-toed horses, camels, oreodonts, giant tortoise and pond turtles.

The first indication that a fossil bed of major significance might lie buried on Melvin Colson's farm came to light during the summer of 1971 when Mike Voorhies, emeritus curator of vertebrate paleontology University of Nebraska State Museum, noticed the skull of a baby rhinoceros eroding from the wall of a ravine at the edge of a cornfield on Mr. Colson's property.

What made the find so unusual was that the skull and lower jaws were in perfect articulation and that the fossil was completely embedded in soft, distinctly layered volcanic ash. Not only did this first rhino turn out to be intact but other equally good skeletons seemed to be extending back into the hill, covered by the twenty feet of ash and sandstone. Because of the unusual nature of the site, special care had to be taken in exploring it. A series of test excavations were done in 1977 followed by more extensive excavations in 1978 and 1979. The results exceeded even their most optimistic expectations. Not only did they find dozens of rhinoceros and horse skeletons, they also found the remains of



camels, birds, turtles and small saber-tooth deer. It became clear that a major disaster, claiming hundreds of victims, had occurred at the site.

Early on it became apparent that there was a definite arrangement of the skeletons in the ash bed with larger animals first, smaller

animals deeper and finally birds and turtles. The latter were always at the very bottom of the ash bed, in a layer containing numerous footprints of rhinos and other hoofed animals. It seemed evident that the small creatures died first, then the middle-sized ones, and finally the rhinos. The animals definitely did not die all at once; they were not (with the possible exception of the birds and turtles) buried alive. The larger animals clearly died more slowly, over a period of a few days to a few weeks. Proof that they were not instantaneously killed and buried can be seen on many skeletons, especially those of horses and camels, which often show bite marks attributed to large scavengers that must have had access to the carcasses before they were completely buried.



Every fossil mammal so far discovered at the site has abnormal patches of highly porous superficial bone on various parts of its skeleton, especially on the lower jaw and the shafts of the major limb bones and ribs. Veterinarians have reported very similar growths on animals that have

died of lung failure.

All the Ashfall skeletons are buried in a layer of pure volcanic ash. Volcanic ash consists of tiny shards of glass from broken glass bubbles. The glass bubbles form and then break apart during powerful volcanic eruptions. The ash particles are small enough to have been breathed deeply into the lungs of animals when volcanic ash blanketed northern Nebraska 12 million years ago. Inhalation of large amounts of volcanic ash almost certainly caused the deaths of the Ashfall victims.

Most of the animals which lived here survived the actual ash fall from a volcano in southwest Idaho which spread a blanket of ash over a very large area, but as they continued to graze on the ash covered grasses, their lungs began to fill up with the abrasive powder. Soon their lungs became severely damaged and they began to die. Undisturbed except by the occasional scavenging meat-eater, the skeletons of these animals are preserved in their death positions, complete with evidence of their last meals in their mouths and stomachs and their last steps preserved in the sandstone below.

If you've never been to Ashfall, this educational park is well worth experiencing. And if you've been there before, go and check out the new expanded Hubbard Rhino Barn. You'll be glad you did. For more information check out their website: <http://www.ashfall.unl.edu>.

References:

2009 University Of Nebraska State Museum/Royal, Nebraska/ashfall2@unl.edu / Rick Otto, Superintendent/A Cooperative Project of the University of Nebraska State Museum & Nebraska Game Fish and Parks Commission

Mike Voorhies, emeritus curator of vertebrate paleontology University of Nebraska State Museum /- Museum Notes No. 81, Feb. 1992, http://ashfall.unl.edu/life_death.html

"Ashfall State Park", Posted: Thursday, November 27, 2008 / Copyright 2009 siouxcityjournal.com

"Groundbreaking set for Hubbard Rhino Barn", By the Lincoln Journal Star, Wednesday, June 4, 2008, <http://journalstar.com/articles/2008/06/05/news/nebraska/doc484713>

Source: *Rock Dust* 6/12, vis *The Rock Collector* 6/12, via *Strata Gem* 9/12, , via *Rocky Mountain Federation News* 8/12

Field Trip Report to Woodward Ranch, Nephi, Utah August 13-16, 2012 By Ray Law

We gathered at the Dick Woodward Ranch Campground. The group included myself, Roger Bush, and Blaine Noorlander. Later Dave and Vel Law came out for the night and day.

We went to the palm wood area and found several nice pieces. The next day we went to dig for red petrified wood and also found some very nice pieces.

We went to Paul Bunyan's wood pile where Andrew found a petrified tree stump. We all helped to dig it out. One or two of us digging and chiseling, while the rest of us gave advice. It took four hours to get it out. Chisels were driven in and wedged to move it. We could only move it slightly and when one of the five chisels would slip out the stump would pop back with a loud thump that could be felt out four feet from it. It did that twice before it finally came loose. Dick put it in his big saw and slabbed it out. Andrew than gave us a very nice slab.

We then went to Ferner Valley looking for wood. Andrew found another stump sticking out of the ground. We all dug around that spot and found lots of small pieces and some large ones. Dan Siler came out and joined us that day.

Went back to dig palm wood. Found many very good pieces.

The Woodward's fixed us dinner every evening. We had fantastic meals that included chicken, beans, Shish kabob and corn on the cob, stew — cooked by Dick. The weather was great except the first night a thunderstorm came through with heavy rain, thunder and lightning.

We had a very wonderful week at the Woodward Ranch Campground. Special thanks to the Woodward's for being great hosts. I wish more could have come and enjoyed the fun. Maybe we can do it another time.



Photos: Ray Law



Officers & Club Information

2012 Board of Directors

Officers

President	Joe Kent	801-771-8184
Vice President	Steve Smith	801-731-4216
Secretary	Dave Offret	801-791-6081
Treasurer	David Law	801-731-4255

Activity Committee and Chairpersons

Field Trip Leader	Open	
Assistant	Open	
Program	Ray Rutledge	801-732-8331
Door Prize	Jim Alexander	801-399-0785
Hospitality	Linda Pilcher	801-392-7620
Communications	Kay Berry	801-825-6261
Membership	David Law	801-644-4931
Mini-show	Alice Crittenden	801-547-7781
Safety	Lynn Hayes	435-723-2216
Publicity	Mark Acker	801-475-4705
Buzzer Editor	Dave Harris	801-737-1266
Associate	Leora Alexander	801-399-0785
Calling Committee	Sherm & Ricky Thompson	435-760-1362

Federation Representatives

Rocky Mountain Federation Delegate	Joe Kent
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.

Meetings

General club meetings are held at 7 pm on the fourth Thursday of each month in the auditorium at the Weber County Library Southwest Branch located at 1950 W 4800 S, Roy, Utah.

All visitors are welcome!

Board Meetings are held at 7 pm on the first Tuesday of each month in the lobby of the Ogden Airport Terminal Building.

Newletter

The Beehive Buzzer is the official newsletter of Ogden Beehive Rock and Gem Club and is published twelve times per-year. Please send submissions and exchange bulletins to beehivebuzzer@gmail.com.

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