

BEEHIVE ROCK & GEM CLUB TIME VALUE DO NOT DELAY
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BEEHIVE ROCK
AND GEM CLUB

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OGDEN, UTAH 84402

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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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**USUAL DATE FOR MEETING - FOURTH THURSDAY - 7 PM at ROY
MUNICIPAL CENTER MULTIPURPOSE ROOM 5051 S. 1900 W ROY, UT**
November, December has changes. Maybe others.
Call any Board member for current information.



Beehive Buzzer

March 2014

Volume 42 Issue 3



BOARD OF DIRECTORS

OF THE BEEHIVE ROCK & GEM CLUB FOR 2013

President and Board Chair	Dan Siler	801-737-3013
Vice President	Nancy Anderson	801-425-7470
Secretary	Dave Offret	801-791-6081
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Membership Chair & Club Directory	David Law	801-644-4931
Mini-show Chair	Alice Crittenden	801-547-7781
Safety Chair	Dennis Anderson	801-425-7470
Publicity	Mark Acker	801-475-4705
Managing Editor of BUZZER	Linda Pilcher	801-392-7620
Associate	Leora Alexander	801-399-0785
Photographer	Shari Bush	801-388-8605
Calling committee	Sherm & Ricky Thompson	435-760-1362

Deadline for BUZZER articles is the 2nd Thursday of the month)

Calling Committee ---- Need volunteers to call members before meetings.
6 people calling 6 others + 6 e-mailing 6 others!

FEDERATION REPRESENTATIVES

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

DUES

Due: October 1
Single - \$11
Couple or

Family - \$16

Junior - \$5

Overdue: January 1

REMINDER: Club fees are PAST DUE... Note: Please see David Law and take care of it now, if not you may be removed from the mailing list.



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 for adult's members are:

Single \$11.00

Couple or Family.... \$16.00

Junior (under 18, no family membership).....\$5.00

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 multi-purpose room of the City of Roy Municipal Center located at 5051 South 1900 West, Roy Utah.

News Letter

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

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In this Issue

Presidents Message.....	Pg 3
Upcoming Rock Shows.....	Pg 3
Beehive R&G Club Program .	Pg 3
Multi Federation Field trip....	Pg 4
Kids Corner.....	Pg 5
Internet addresses of Int.....	Pg 5
Rock Trading.....	pg 6
March Birthstone.....	Pg 7
Weber County.....	Pg 8
Weber County cont.....	pg 9

FEDERATION REPRESENTATIVES

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

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.

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 Mineral-
 Logical Societies
 American Federation of Mineralogical
 Societies Scribe



PRESIDENTS MESSAGE

None at this time.

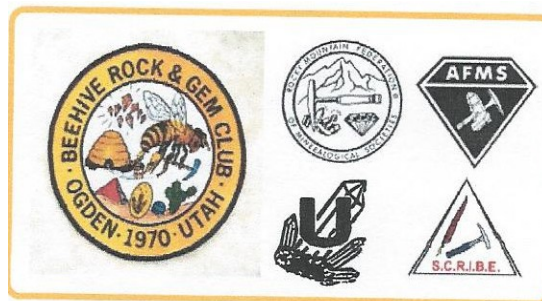
Beehive Rock & Gem Club Program - March 27th 2014

March will be the Rock Auction and we hope to see everyone there... Anyone would like to donate something feel free to participate. We believe we will have fun stuff for the Auction. Please keep that night marked on your calendar!



who
some

HOPE TO SEE YOU THERE!



Multi-federation field trip
Make plans to attend by Doug True field trip chair

The town of Terry Montana may be small, but they are planning on rolling out the red carpet for us as they host the AFMS 2014 the Multi-federation field trip gathering. The dates are from July 31, 2014 to Aug. 4th 2014, so mark your calendars and get ready to register!

Terry is right in the middle of the best Montana rock hounding areas. We will have numerous trips to the gravel bars on the Yellowstone River, Productive areas that I've been hunting on annually for 40 + years. Many are accessed only through private property, but permission has been granted. We will be hunting for Montana agates, Jasper, petrified wood, fossil coral, stromatolites, and numerous other "oddities".

We'll have numerous trips into Montana fossil country to the Pierre and Bear Paw formations areas, and we'll collect ammonites, baculites, scaphites, nautiloids and many other shells (70 -95 million years old) in the ancient sea bed areas. We are also working on trips to several areas where we can collect dinosaur fossils from the Hell Creek formation. More information will be forthcoming as plans are solidified.

In addition, we'll have an opportunity to take a guided tour through the Eastern Montana Badlands – a once in a lifetime opportunity.

Start planning your collecting vacation now. Kids are welcome!!! What could be better than four days in Eastern Montana with a chance of collecting wonderful materials.

BUT wait, there's more.... The town of Terry is allowing us to use their 2 block city park for dry camping and other activities. We'll have a pot luck dinners, a barbecue and much, much more.

For more information contact Doug True, Fieldtrip Chair, (406)670-0506, or email <dtrue@Yahoo.com>

Golden Spike Gem & Mineral Gem show will be April 11-12-14th. If you would like to exhibit in a show case, call Deborah Blake at 1-435-279-7986.

Wasatch Gem Society Gem & Mineral Show is May 16-18th.

HAPPY ST. PATRICK'S DAY



CONGRATULATIONS to Dave and Nancy Offret !

Kids Corner

Kids Project - Salt Crystals Project
Grow Your Own Salt Crystals

What you'll need:

- A jar
- Water
- About half a cup of salt
- A spoon for stirring
- String
- Scissors
- 2 toothpicks

Instructions:

- Fill the jar with water.
- Add about half a cup of salt to the water.
- Mix the solution together with a spoon.
- Cut a piece of string with scissors and tie each end to a toothpick.
- Place the string over the top of the jar so that the string dangles into the middle of the solution and the toothpicks hang over the edge.
- Don't forget to clean up when you've finished.



What next?

Leave the experiment and wait for salt crystals to form along the string. They are an excellent example of cubic crystals and you can do further research with them by examining them under a microscope. When you look at various crystals under a microscope you can examine the differences between them: Are they perfectly formed? What shape are they? What color? Can you see any microorganisms on the crystals? Crystals can be found grouped together as lots of small crystals or as huge individual crystals. They vary in size from those at the microscopic level all the way up to crystals that are meters in length!

Lapidary Training Wanted

From: Tracy Boyd
boydtann@gmail.com



My daughter started doing silversmithing a little over a year ago. She is really good. She really would like to start cutting/shaping her own stones. She is half Navajo and she comes up with some creative jewelry. Is there someone that will give lapidary classes for a reasonable fee? I am also interested in doing the lapidary too. Hopefully I can get my husband interested. I have a place in Grouse Creek, Utah and would like to arrange for someone to take my family to find the crystals in that area (I say your pictures on the website) and of course any other rocks to find around Devils playground or Grouse Creek area. Anyone who wants to be a guide can stay at our place overnight if required or just want too. Thanks so much.... Tracy



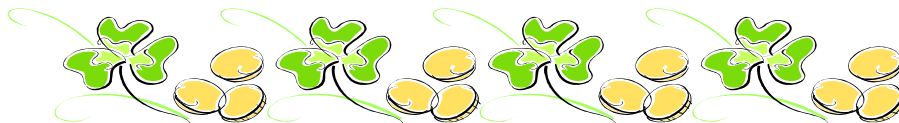
ROCK TRADING ?

Hi, my name is Jim Urbaniak and I was wondering if any member of the Beehive would be interested in making a trade for our corresponding state rocks and minerals? In particular, I am looking to make a trade for representative pieces of Utah material. Some particular examples that come to mind are the grouse creek quartz, Wendover plume agate, and any material from Topaz Mountain (such as bulls' eye rhyolite, yellow opal, bacon agate and topaz) and Vernon wonderstone. In turn I would be able to trade for some local Oregon material. In particular, I do have Ochoco Mountain thundereggs from the lucky strike mine and Richardson's Ranch (cut and uncut), black augite crystals from Cedar Butte (Tillamook), petrified wood the Holleywood Ranch (cut and uncut) various types of obsidian from Central Oregon (Prinville area) to Northern California (this includes sheen, flame mahogany and rainbow), and some slabs of various Oregon Jaspers, other petrified wood and banded carnelian agate. I also have quartz and both banded and plume agate from the Wildcat Caldera in the Ochoco Mountains.

If your members care to exchange photos of material shipped, I am very happy to oblige. What I am finding with other clubs around the country is that we are shipping via the USPS Medium Flat Rate Priority Mail. For \$12.35 you can ship or we can ship whatever quantity and weight we can fit into the Medium Flat Rate box. Members of the Oregon Agate & Mineral Society are pretty evenly split in interest between display mineral specimens and lapidary material for cutting and cabbing. It is our intension that we be able to identify Material, both mineral specimens and lapidary material that we may trade later on with your club in larger quantities of individual type specimens. For instance, that we can eventually acquire 20-30 specimens of Grouse Creek quartz and/or 20-30 specimens of Vernon wonderstone in exchange for whatever preferred material your club wants from ours. We are in the process of creating a Rock & Mineral of the Month program for our members through this intra-club exchange program and have already done so successfully with clubs in Arizona, New York, New Jersey and Georgia.

Best Regards,
Jim Urbaniak

P.S. If any of your members find themselves here in the Portland Oregon area, please have them get in touch with me and we'll see if we can arrange a field trip for the occasion.



***March Birthstone: Aquamarine***

Birthstone Color: Pale Blue

If you can picture the cerulean blue waters of the Mediterranean, you will understand why the birthstone for March is named Aquamarine. Derived from the Roman word "Aqua," meaning water, and "mare," meaning sea, this pale blue gem does indeed resemble the color of seawater. The ancient Romans believed that the Aquamarine was sacred to Neptune, the god of the sea, having fallen from the jewel boxes of sirens and washed onto shore. Early sailors wore aquamarine talismans, engraved with the likeness of Neptune, as protection against dangers at sea.

The association with water led to the belief that the Aquamarine was particularly powerful when immersed. Water in which this gemstone had been submerged was used in ancient times to heal a variety of illnesses of the heart, liver, stomach, mouth and throat. Aquamarines were also used to reverse poisoning and to aid in fortune telling.

The Aquamarine is a member of the beryl family. Beryl is a mineral that crystallizes within large grained igneous rocks on the earth's crust. It varies in color from clear to vibrantly colored gemstones such as the Emerald. Beryl was used as far back as 2,000 years ago to correct vision, and it continues to be used today in the manufacture of eyeglasses. It is a very hard mineral, making the Aquamarine a durable gemstone for use in jewelry.

Aquamarine varies in color from blue-green to a light sky blue, but gems containing green are often heat-treated to remove this less desirable color. The majority of Aquamarines, unlike other gemstones, are flawless. It is a relatively abundant gem, the largest deposits being in Brazil, but other sources of Aquamarine are in China, India, Australia, Africa, and the United States.

A gift of Aquamarine symbolizes both safety and security, especially within long standing relationships. Some people even say that the Aquamarine reawakens love in a tired marriage, so if you want to bring back that spark in your partner's eyes, you might consider this gem as an anniversary gift!

Alternate Birthstone

An alternate birthstone for March is Bloodstone, dark green opaque quartz flecked with red spots. The name Bloodstone derives from the legendary belief that the red coloration resulted from the blood of Christ spilling onto green jasper during the crucifixion. For this reason, too, the stone has been called "martyr's stone." Bloodstone is mined in India, Brazil, Uruguay, Australia, and the United States. Ideal for carving into cameos and beads, this stone symbolizes courage.

WEBER COUNTY

Western Weber County is covered by the sediments of Lake Bonneville, but in the Wasatch Range igneous and metamorphic rocks of Precambrian age are succeeded by Paleozoic sedimentary rocks. Fossils are relatively abundant in some of the Paleozoic units. East of the Wasatch are Cenozoic sediments and additional outcrops of the Paleozoic rocks.

Locations: The Oaks

Fossils: Plants, gastropods, bryozoans, brachiopods crinoids and corals.

Description: The location is at the contact of the Devonian Jefferson Formation and the Mississippian Beirdneau Limestone. The red-brown Shale unit in the Beirdneau has worm trails and plant impressions. A variety of fossils, as listed above, can be found in the underlying Jefferson.

Go up Ogden Canyon to the Oaks and on the left(north) side of the canyon. Search the borrow pit area and the talus.

The **Gastropoda** or **gastropods**, more commonly known as [snails](#) and [slugs](#), are a large [taxonomic class](#) within the [phylum Mollusca](#). The class Gastropoda includes [snails](#) and [slugs](#) of all kinds and all sizes from microscopic to large. There are many thousands of species of [sea snails](#) and [sea slugs](#), as well as [freshwater snails](#), freshwater [limpets](#), [land snails](#) and land [slugs](#).

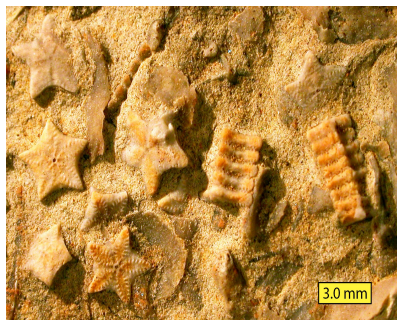


Brachiopods are **benthic** (bottom dwelling), **marine** (ocean), **bivalves** (having two shells). They are considered **living fossils**, with 3 orders present in today's oceans. They are rare today but during the **Paleozoic Era** they dominated the sea floors.

Though they appear to be similar to clams or oysters they are not related. They are not even mollusks. They belong to the phylum **Lophophorata** and are related to **bryozoans**.



Crinoids are marine animals that make up the class **Crinoidea** of the [echinoderms](#) (phylum Echinodermata). Crinoidea comes from the Greek word *krinon*, "a lily", and *eidos*, "form".^{[2][3]} They live both in shallow water and in depths as great as 6,000 metres.^[citation needed] **Sea lilies** refer to the crinoids which, in their adult form, are attached to the sea bottom by a stalk.^[4] **Feather stars**^[5] or **comatulids**^[6] refer to the unstalked forms.



Corals are [marine invertebrates](#) in [class Anthozoa](#) of [phylum Cnidaria](#) typically living in compact [colonies](#) of many identical individual "[polyps](#)". The group includes the important [reef](#) builders that inhabit tropical [oceans](#) and secrete [calcium carbonate](#) to form a hard skeleton.



Information was gathered from Wikipedia and a guide to collecting sites in the rock Mineral & fossil localities of Utah.