



THE BEMS

OCTOBER

TUMBLER

2009

The monthly newsletter of the **Boeing Employees' Mineralogical Society, Inc.** Seattle, Washington

Next Meeting:
October 8, 2009
6:30 p.m.

**7-206 Building in
Renton**

(A map is on page 6)

The Program will be
an open discussion



This month remember to wish a Happy Birthday to

- Angelina Slee on October 1,*
- Jacqueline Myers on October 1,*
- Scott Burch on October 4,*
- Jack Berosik on October 5,*
- Patrick F. Myers, Jr. on October 6,*
- Renee Farrow on October 10,*
- Keith Alan Morgan on October 11,*
- Ashlea Fulmer on October 11,*
- Mel Pagel on October 12,*
- Mauricea Nyquist on October 14,*
- Bob Swartz on October 15,*
- Marilyn Olsen on October 17,*
- Barbara Oxborrow on October 21,*
- Jacob Earl on October 22,*
- William Arundell on October 25,*
- Gerald Edgar on October 25,*
- Judy Brooks on October 26,*
- Myron Hovland on October 27,*
- Arta Gerhard on October 29,*
- Ross Berglund on October 30,*
- Fred Thompson on October 30,*



- and also remember to wish a Happy Anniversary to*
- Katherine Wittick & Wesley V. Anderson on October 19,*
 - Joel & Debra Jurasek on October 20 (30 years),*
 - Jeff & Kristin O'Brien on October 22,*
 - Ross & Marion Berglund on October 7 (47 years),*
 - Elliott & Barbara Woodward on October 27 (44 years),*
 - Dennis E. & Debbie S. English on October 31*



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Tips, suggestions, recipes and experiments printed in this newsletter are the experiences and/or opinions of the individuals submitting them. We are not responsible for their authenticity, safety, or reliability. Caution and safety should always be practiced when trying out any new idea.

When on field trips this organization uses CB Channel 7.

Keith Alan Morgan, Editor

Postal, or Email, Exchange
Bulletins are welcome.
Email preferred.

morgangraphix@yahoo.com

Officers & Directors 2009

President Bob Pattie
Vice President Scott Burch
Treasurer Richard Russell
Secretary Pete Williams
Director Bill Cook
Director Dick Morgan
Past President Malcolm Wheeler, Sr.
Federation Representative Michael Blanton
Federation Representative Jerry K.F. Chilson
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Mineral Council Bob Pattie
Refreshment Esther McKain
Membership Keith & Dick Morgan
Health & Welfare Carolyn Sealfon
Library Stephanie Jurado-Smith
Video Library Sandy Chilson
Raffle/Display Keith & Dick Morgan
Field Trip Eric Chilson
Field Trip Bill Cook
Tumbler Editor Keith Alan Morgan
Webmaster Keith Alan Morgan
Shop Operations Cheryl Edgar
Shop Instructors:
 Casting Joe Poston
 Faceting Cliff Frome
 Jewelry Carolyn Sealfon
 Lapidary Dick Morgan

Club eMail address is
morgangraphix@yahoo.com

2009 BEMS Dues are \$15 flat rate Individual, Family, or Retired.

Send or deliver dues to:
Richard Russell

(or pay him at the meeting)

The object of the Society shall be to stimulate interest in the study of the earth sciences, lapidary arts and related subjects.

This Society is affiliated with the *Boeing Company*; the *American Federation of Mineralogical Societies*; the *Northwest Federation of Mineralogical Societies*; and the *Washington State Mineral Council*.

Every member of the club should be receiving a copy of the Northwest Newsletter. If you are not receiving a copy contact Mike Blanton

To get information to the Tumbler via the Internet send it to **morgangraphix@yahoo.com** Please put Tumbler and subject in the Subject Line. The deadline is the 20th of each month, (except December which varies).

The BEMS external website is **<http://www.bemsonline.com>**

Clean gold chains this way: in a stainless steel pan or an enameled pan, mix half a cup of Tide with one cup of water. Drop your gold chains into this solution and after they reach a boil, lower the heat and simmer for five minutes. Set aside to cool. Scrub with a soft toothbrush, rinse under running water, and dry and buff.

via Roc Toc, 1/09; from Gems Of The Rogue



OCTOBER



SUN	MON	TUE	WED	THUR	FRI	SAT
The Regular Meeting will be at 6:30 pm at the 7-206 Building in Renton, use the south door				1	2 <i>Sequim Show</i>	3 BEMS Sale 11 am - 3 pm <i>Sequim Show</i>
4 <u>Money Creek Trip</u> <i>Sequim Show</i>	5	6	7 	8 General Meeting 	9	10 <i>Marysville Show</i>
11 <i>Marysville Show</i>	12	13	14	15	16	17
18	19	20	21	22	23	24 <i>Belleville Show</i>
25 <i>Belleville Show</i>	26	27	28	29	30	31

Lapidary Class Hours:.....Monday.....Closed until further notice More Field Trip info can be found on Page 9
 Lapidary Shop Hours:.....Tuesday.....Closed until further notice More Show info can be found on Page 10

Jewelry Shop Hours:.....Tuesday.....Closed until further notice
 Jewelry Casting Hours:.....Tuesday.....Closed until further notice
 Jewelry Class Hours:.....Wednesday.....Closed until further notice

Faceting Class Hours:.....Friday.....Closed until further notice

South Sound Show Committee Meeting...1st Wednesday.....11 am to 12 pm

BEMS Board Meeting:.....Monday (10 days prior to General Meeting).....7:00 pm to 8:00 pm
 BEMS General Meeting:.....2nd Thursday.....7:30 pm to 10:00 pm

Son of Mr. and Mrs. Rockhound

by KAM



The Tumbler has received One-Time Rights to publish this cartoon

BEMS Board Meeting Minutes August 31, 2009



by Pete Williams, 2009 Secretary

Members Attending

President Bob Pattie

Secretary Pete Williams

Shop Operations Cheryl Edgar

Health & Welfare Carolyn Sealton

Field Trips Bill Cook

Federation Mike Blanton

Meeting called to order at 7:03

Treasurer Rich Russell

Editor Keith Morgan

Shop Dick Morgan

Refreshments Esther McCain

Library Stephanie Jurado-Smith

Guests Jackie Pattie, Pat Morgan

The meeting was focused solely on the Boeing Recreation decision to have all clubs vacate the Kent Recreation building by October 19. Recreation has been directed to make all clubs cost neutral to Boeing. Therefore Boeing will no longer subsidize clubs with room space, utilities, or cash subsidies. All club activities must cease by September 30 and be out of the building by October 19.

Boeing will continue to provide liability insurance, assistance with packing equipment, and 90 day storage if required.

Discussions were around disposing of hazardous waste and selecting volunteers to help with cleaning, dismantling, and inventorying equipment. Bob will be preparing sign up sheets for the general meeting. The general meeting will focus on vacating the building.

Meeting adjourned at 8:19.

Information On Moving by Bob Pattie

Volunteer lists and leaders:

1. Cleaning saws, equipment and disassemble equipment— Bill Cook
2. Labeling — Sandy Chilsom
3. Dismantling rooms including benches, etc.— Dick Morgan
4. Searching for meeting/equipment room — Dennis English
5. Nominating committee — Rich Russell, Pete Williams, Bob Pattie

An update to the status as of 9/17, a meeting with the moving company.

1. We will be able to have them move the saws, other items, boxes, etc. on October 5th.
2. We will then have room to dismantle the benches, tables, an items that line the rooms. We will move the remaining equipment, materials, etc. on October 14th.
3. Boxes are available in room A, to pack items than can go into cardboard boxes.
4. Rocks can/will be moved in the container they are currently in.
5. Boeing will have the electricity and water turned off when we are ready. We will need to do this as part of the process in dismantling the rooms, sometime between October 5th and 14th.
6. It appears that most of the work teams are working on Monday and Tuesday, contact the leader if you would like to work at other times.
7. Peter has located a meeting room for the October meeting, it is in the Renton area.

BEMS Moving Sale!

Saturday October 3, 2009, 11 am - 3 pm

Rocks & other misc. items

Boeing Recreation Activity Center

22649 83rd Avenue S.

Just off the Valley Freeway (Highway 167) North edge of Kent

Magnetite

The mineral magnetite, used in compass needles, has been found in Monarch butterflies. This discovery may help explain the well known yearly migration from eastern North America to Mexico.

via Roc Toc, 9/09; via Rock Box, 4/09; via Gem of the Rogue, 3/09; via Umpqua Gem, 8/03; via T-Town Rockhound, 2/02; from the Rock Rattler, 2/92

BEMS General Meeting Minutes September 10, 2009



by Pete Williams, 2009 Secretary

Meeting called to order at 7:32

There were 3 guests in attendance.

Minutes approved as written.

Treasurer's Report: New badges for those who ordered them are now available. Also, WSMC colored maps of collecting sites are available for \$9. Black and White maps are available for \$5. Please see Rich.

Library: The library will not be checking out any books or videos due to the closure of the Kent building. Members are requested to return all materials to the faceting shop.

Health & Welfare: There were 4 people who were ill and received cards this month.

South Sound Show: Members were asked to sign up for cases and to volunteer for the show in November.

New Business: The meeting was dedicated to discussing the future of the club based on the Boeing decision to vacate the Kent Recreation building by October 19. Boeing will continue to provide liability insurance and allow clubs to meet in un-gated cafeterias or other Boeing buildings for club meetings. No Boeing space will be available for club equipment. Boeing will also provide movers, transportation and 90 day storage of equipment. Transportation will be available from Oct. 12-16.

Club members discussed and made several decisions.

1. An inventory is being taken of all equipment and materials. There is over 2000 lbs. of material in the shops. The club decided all high value equipment will be stored at secure locations rather than being put in Boeing storage. High value equipment consist of the faceting machines, GIA equipment, and high value materials. All other equipment will go into Boeing storage if another location is not found. The Boeing storage will be a building at Plant 2. Cliff has volunteered to store some faceting machines. Dick volunteered to store the material for the South Sound show.

2. No classes will be held until this move is completely sorted out.

3. All shops are closed as of 9/10 to allow for clean up and dismantling of equipment.

4. Sufficient raffle material is available until the end of the year. Members may provide donations for the raffle. All donations to the club will be recorded and receipts will be provided. Raffle material will not be put in Boeing storage.

5. Members are requested to sign out for display cases and can store them at their homes until another club location is identified. Members must receive permission to check out any equipment or materials and sign for on a permission slip.

6. Members were asked to look for a location the club could use to set up the shops.

The club rooms must be swept out after equipment is removed. The next Board meeting will be held September 28 at the Kent building. A location for the next general meeting has not been determined. Questions are being posed to Recreation regarding postage for mailings and insurance for club equipment. The schedule for vacating the building will be: Pick up cases by 9/17; clean equipment by 9/18; remove high value items by 9/23; dismantling and labeling of equipment 9/25-10/12; pick-up for storage 10/12-16. Bob will be meeting with the movers next Thursday. Volunteers were received for cleaning and dismantling equipment, labeling, searching for rooms for the club, and a nominating committee for next years club officers.

Meeting adjourned at 9:25.

Displays:

Edelyn Thaves - Jasper cab in silver pendent

Jerry Chilson - Faceted ametrine, sunstone, smoky quartz & citrine

Dick Morgan - Thank you card from the presentation he gave at the Northwest School of Innovative Learning

Carla Olson - Sonora Sunrise chrysocolla, Pilbara jasper, Kaleidoscope jasper, Cherry Creek jasper

Alice Swartz - Thundereggs, fluorite & garnets from Richardson's Ranch

Brian Waters - Petrified wood, midnight lace obsidian, agate & actinolite

Joel Jurasek - Opal & geodes

Young Richard's Almanac

by Dick Morgan

That the elected officials have a health plan for themselves and a lesser one for the people, means that they have set themselves up as a higher class of society, but we are supposed to be a classless society.

Running a Rock Club is like polishing a gemstone. The more planning and work by the people involved, the more brilliant the finished product.

via Roc Toc, 1/09; from Rock Chips, 10/08

Quotable Quote

Books are like polish for the brain. - Tamara Twa, Junior Member of the North Seattle Lapidary & Mineral Club

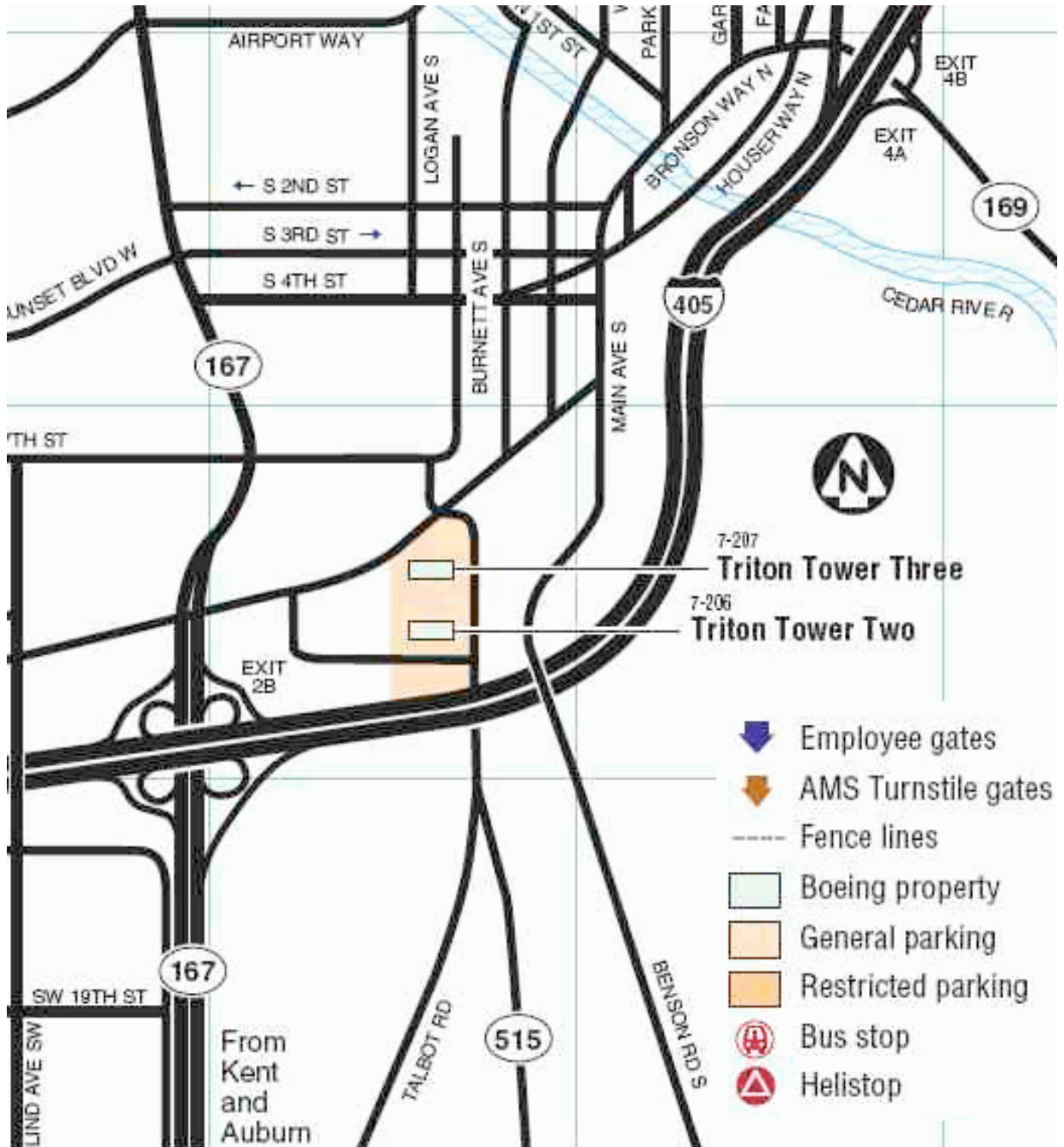
from Rocky Trails, 5/07

October Meeting

The October meeting will be in the 7-206 building (Triton Tower Two on map).

Here is a map of the building for our meeting on October 8. There is no problem bringing snacks. It has been reserved from 6:30-10:30 PM. There is a badge reader. Current Boeing employees can enter either the north or south door. All non-current should enter the south door as that is nearest the room and we can have someone present to let them in.

Wear your badges! We will have some Visitor badges for those who don't have one.



Map is ©2009 The Boeing Company

Collection Safety by Bill Klose,

As we form our mineral, fossil, and rock collections, we pride ourselves with knowing what everything is, where it came from, how fragile or sharp it is, and, hopefully, if any hazards are associated with any of the specimens in it. If you follow the auctions on the Internet, you see many wonderful specimens from locations that have long ago played out or are closed. Many of the descriptions for these specimens declare “from an old” or “estate” collection and/or do not provide any other data because of the lack or loss of a label. Occasionally these specimens are so classic that there is little doubt as to what they are and where they came from and if any hazards are associated with them. Most probably these items are being disposed of by relatives of the original collector who have no knowledge of or interest in them. Many times collections and materials used to prepare them, such as grits and chemicals, just end up as landfill to dispose of them.

We are now aware of the hazards of disposing of household and industrial cleansers and chemicals because of strict labeling and disposal laws and education. But what about those rocks and minerals that have been dumped in back yards and landfills that may contain or break down into hazardous chemicals?

And what about the specimen that may represent one of the finest examples of its “species” or the fossil that is the original specimen (“type”) of a species new to science, to which all other specimens of that species are compared? Many scientists describe new species from specimens found in private collections.

Even if unlabeled specimens find their way into another collector’s holdings, not knowing what it is may lead to its destruction or create a hazard to the new owner’s health. Many minerals, such as sulfates and salts, will absorb moisture from the air and with time break down. Unstable pyrite and marcasite will break down into sulfuric acid, which will destroy specimens, labels, specimen boxes, and storage units. I have seen entire cabinets filled with white powder, where fine pyritized specimens from Alden, New York, France, and other locations were once stored, because the specimens were not properly stabilized. Some minerals are affected by sunlight or even indoor light and will alter into other chemicals (i.e. Eglestonite) or lose their color with prolonged exposure (i.e. Kunzite). Rocks that are poisonous can enter the water table or body tissues if not properly identified, labeled, handled, and stored. Some highly toxic or radioactive minerals are quite pretty or very plain and give no hint that they are dangerous and can enter the body if licked or the dust given off by them is inhaled. Cutting and polishing fluids used to polish hazardous rocks and minerals can also constitute serious health hazards.

The key to avoiding these problems is to properly label everything with name, location, geologic age, and formation when available or if a fossil, and any special handling instructions or hazards. The labels should be tied to a catalog and specimen by a permanent catalog number. If the specimen is valuable, have a price and date of purchase on the label and clearly identify as rare. This information may also help appraise a collection for donation or sale. “Type” specimens of fossils should also be clearly identified on the specimen and label, with the original reference describing the new species sited on the label and in the catalog. It may be prudent to donate “type” specimens to a museum that provides specialized storage for such materials. Bear in mind that there is only one specimen of each species, the “type”, and as such it is priceless and irreplaceable. Label all grits, chemicals, and cutting fluids used in specimen and jewelry preparation, identifying any.

Proper storage of specimens is very important. Make sure that the containers and paper you place or wrap specimens in is suitable for long term storage and free from acids and other chemicals that in time could damage the specimens. Do not wrap specimens in newspaper or place in colored specimen boxes (even black) that give off chemicals or attract fungus and mold. Consider the weight of specimens that are to be placed on shelves and in storage units. Also consider the floor weight limit. Keep collection in areas that are not too cold or hot, are dry, dust free, insect free, and away from areas that tend to flood. Keep small sharp, heavy, and hazardous specimens away from small children.

As a good indoor winter project, label and properly store your collections and associated materials so it can be safely enjoyed for years to come.

via Breccia, 10/07; via The Collecting Bag, 2/05; from EFMLS, 1/05

Lithophyllosis?

Do you have LITHOPHYLLOSIS?

There is NO Cure!

The word comes from Latin: lithos meaning rock; phyl, and attraction to: and osis, condition. Put them all together and you get a condition where the victim has an uncontrollable attraction to rocks. The disease can strike anyone, at any time, at any age, and . . . IS EXTREMELY CONTAGIOUS!

Sounds like common old ROCK POX to me, we have had that for years anyway! It is often caught at, and symptoms may become aggravated by, but may also for some be relieved by, attending rock shows, club meetings, and field trips. Although be sure to use caution as all these things are HIGHLY addictive!! And are usually passed on to your children who will then be life long sufferers.

via Golden Spike, 9/09; from the Beehive Buzzer, 9/09

A blacksmith works with iron. A whitesmith works with tin. A redsmith works with copper.

Sawing (Or What's Inside?) by Roger K. Pabian, Lapidary Chair

There is a common belief that you never know what will be inside a rock until you saw it open. There may be some surprises, but the lapidary has a lot more control over what sawing will produce than is commonly believed. The biggest mistake is fitting the rock into the vise. ("This rock fits perfectly into the vise, therefore, that must be the direction in which I should cut it.") I have seen hundreds of slabs of aventurine that have no sparkle because they were cut in the direction in which they most conveniently fit into the vise. The same holds true for tiger eye and for most feldspars, such as labradorite or spectrolite.

The solution to getting the proper cut is no farther away than the scrap wood pile and some white glue such as Elmer's™ Glue. If you have a piece of aventurine and you want maximum sparkles, glue the piece to the lumber scrap with the sparkly side up. Give the glue about a week to dry and set up hard, then set the stone in the vise with the sparkles parallel to the blade. You should end up with some very nice slabs.

Tiger eye and feldspar are nice blocky minerals that fit very nicely into the saw vise, all in the wrong way. With tiger eye, make the cut such that it is parallel to the direction of the broken, fibrous surface. Glue one of the fibrous surfaces to a board and get ready to cut some very fine eye material. The tiger eye will be at an angle to the saw blade, and not in a block that is essentially perpendicular to it.

For feldspars, to orient the stone, take the block you wish to cut and roll it about under a bright incandescent lamp. (Do not use fluorescent lights or the ecologically safe lights as these do not have the proper wave lengths of light to be of any help.) You will find that when the surface of the stone shows the maximum reflection and color, that surface will be about 10 degrees off of the horizontal. Making your cut parallel to that surface will produce the best effect. You will need to have a few shims to set the block at about 10 degrees to the board. Make sure to not cut wood with your diamond saw; use small rock scraps for shims, or cut some from a soft rock such as alabaster or limestone.

When slicing agate nodules, cuts parallel to the surface will produce an opened pattern, whereas cuts that are perpendicular to the surface produce a tightly banded fortification pattern. By different orientation of the stone, you can produce opened or closed patterns at will. Too many lapidaries tend to throw away the end cuts of agate nodules, but these often produce some of the most outstanding patterns when the surface is sawed away. My late friend, Bill White, won many American Federation trophies for his cabochons that came off of the end cuts; material that most people would have thrown away.

When working with big cabochons, it is often quicker and less expensive to remove the excess material with the trim saw. This was especially true when carbide wheels were in vogue, and diamond grinders were not in use.

At any rate, you are the one in charge when sawing a rock. The rock doesn't have any say in the matter. Don't be hasty; use some glue and board scraps. Treat the material with the care and kindness it deserves.

via GCLFS Newsletter, 9/09; from MWF Newsletter, 9/09

Amazing Rock Candy

You will need:

2 Cups Water

5 Cups Sugar

String

Plastic Paper clip

Flavoring

Stock pot

Plastic Cup & Spoon

Straw

Food Coloring

(Please have an adult's supervision for this activity.)

It can take a few days for the sugar crystals to harden into rock candy.

Make Supersaturated Sugar Solution by boiling 2 cups of water in a large stock pot. While stirring, slowly add sugar until no more sugar will dissolve (about 5 cups). You can make this an hour or two before you'd like to use it, if you want.

Using a plastic cup and spoon, a piece of string, a straw and a plastic paper clip. Fill your cup 3/4 full with the sugar solution. If you want add some flavoring vanilla or almond extract and some food color to make your "rocks" pretty and taste good.

Tie your string to one end of the paper clip. Tie the string to the middle of the straw. Lay the straw over the cup so that the paper clip is suspended in the sugar solution but doesn't touch the bottom of the cup. Keep checking the cup until the sugar crystals have hardened around the string. You will have made your own rock candy!

via West Seattle Petroglyphs, 3/07; via The Glacial Drifter 9/06; from T-Town Rockhound 4/06

In Chinese art, Jade is symbolic of purity.

Field Trips

The club or clubs sponsoring the field trips are shown in italics. When known I have listed a phone number and contact person for each sponsoring club below the listed trips. If you are not a member of the sponsoring club, you should phone and ask permission to go on their field trip. Some trips have fees to non club members, so they can be a day member, and be covered under club insurance. The usual fee is \$.50 a day.

Information from the Washington State Mineral Council webpage (<http://www.mineralcouncil.org>).

October 4 *North West Rockies - Money Creek - Ore & picture jasper* - You will need lights, light hard rock tools - Meet at 9:00
Ed Lehman (425) 334-6282 or wsmced@hotmail.com

Nominating Committee On The Prowl

Who? Me? Run for office? No thanks!
The President's job - that should be Frank's.
But listen now, I've some suggestions to make.
How about a display case -
'twill only take a couple of evenings for someone to make.

Program Chairman? I don't see how
I can manage that position just now.
But let's keep up the good speakers this year,
maybe have a demonstration on cab making here?
You bet I'll attend every one, never fear.

Bulletin Editor? Oh, I can't write
a decent article - mine sound so trite.
But can't we have more rock cutting tips,
a column for news, and some humorous quips,
and something about our rock hunting trips.

Display table? I like it fine.
Oh, no, that selenite isn't mine.
My minerals and gems are all packed away.
Anyway, I was much too tired today.
Don't you realize just how much rocks can weigh?

I'm in good standing. I've paid my dues.
I never fail to give you my views.
Meeting night comes and there I will be.
I'm present, please note, for all members to see.
Gee, don't you wish there were more members like ME?
via Quarry Quips, 5/08, taken from Rocky Tales, 10/04; Original Source unknown

Chemical Weathering Experiment by Christine Vasper

This would be a fun project to share with your children or grand children.

Supplies needed: vinegar, empty glass jar, and small limestone rock.

Procedure:

- A. Put the limestone rock into the glass jar
 - B. Pour vinegar in the jar and cover
 - C. Watch the limestone rock dissolve. You will see bubbles coming out of the rock.
 - D. Let the jar set overnight
 - E. In the morning, look at the rock. Does it look smaller? Swirl the vinegar around in the jar. Do you see the powdery sediment? It came from the rock.
 - F. Add more vinegar to the jar.
 - G. Study the rock again a few days later. The vinegar should have evaporated. What do you see now? I found crystals in my jar. It was a baby stalagmite.
- via Rock Rollers, 6/06; via Skagit Gems, 5/05, via others; from Post Rock, 12/04



October 2 - 4: Friday & Satday 10 am - 6 pm; Sunday 10 am - 3:30 pm
Clallam County Gem & Mineral Society, "Earth's Treasures"
 Boys & Girls Club of Olympic Peninsula
 400 W. Fir St.
 Sequim, WA



October 10 - 11

Marysville Rock & Gem Club, 35th Rocktoberfest Show
 Totem Middle School
 7th St & State Ave
 Marysville, WA.

October 16 - 18: Friday 12 pm - 7 pm; Saturday 10 am - 7 pm; Sunday 11 am - 4 pm
Springfield Thunderegg Rock Club, 52nd Annual Rock & Gem Show
 Gateway Mall
 3000 Gateway Street
 Springfield, Oregon

October 17 & 18: Saturday 10 am - 6 pm; Sunday 10 am - 5 pm
Hells Canyon Gem Club, 43rd Annual Show "Hidden Treasures"
 Nez Perce Co., Fair Grounds
 1229 Burrell Ave.
 Lewiston, Idaho

October 24 & 25: 10 am - 5 pm
Bellevue Rock Club, "Octoberfest of Gems"
 Vasa Park 3560 W. Lake Sammamish Blvd SE.
 Bellevue, WA

October 24 & 25: Saturday 9 am - 6 pm; Sunday 10 am - 5 pm
Clackamette Mineral and Gem Club, Nature's Beauty in Stone 2009
 Clackamas County Fairgrounds Pavilion
 694 NE. 4th Ave
 Canby, Oregon

Shows

Shows



Internet Addresses

<http://www.spathfluor.com>
 from Rocky Trails, 12/07

Treasures Of The Earth
<http://www.universaltreasures.com/>

Two Guys Fossils
<http://www.twoguysfossils.com/>

Palaeos: The Trace of Life on Earth
<http://www.palaeos.com/>

Geoscience Enterprises
<http://www.geoscience-enterprises.com/>

ChroLithix
<http://www.chrolithix.com/>

