

HY GRADER -

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Help
Eliminate
Litter
Please

Dated
Material

Linda Harvey, Editor
PO Box 19595
Portland, OR 97280

TVRGC President's Message

By Mitch Metcalf

August President's message

August 3-4 is the Summer Festival

Be sure and mark your calendar. It's time for the **Rice Museum's** big event, The Summer Fest. It's happening the first weekend of August. This year our club will have a sales table, compliments of the museum. The Flintstone-Mobile will also be back as a featured exhibit. Bring the family and enjoy one of the Pacific Northwest's finest museums. You know the Rice is always a great place to visit. The Summer Fest is the best event of the year. Don't miss it.

New Logo wear

They'll be here for the first weekend in August! If you ordered a shirt, it will be waiting for you at the club table during the Summer Fest at the Rice Museum. I'm predicting this will be the fashion statement of the year. Hats will be there too. Price - \$15 each for Members, \$18 for non-members. There are only a few unclaimed shirts... get one while supplies last.

New Learning initiative.

Ever had trouble describing how a rock looks? I have. And I'll bet a lot of you have too. Well... we're going to do something to help you with that. I've asked Taylor Hunt to put together a little display of surface types that we often see but don't know how to say. He'll be working with Lara O'Dwyer-Brown on this and every meeting we'll put some on display with a word that describes that particular surface. Most of us know druzy and botryoidal, let's expand on that. We'll be adding this display to the Portland Regional as well. I particularly think the kids will have fun with this kind of display, because they love to touch the rocks with the bumpy, lumpy, ragged, and weird surfaces... hmmm..... now what do we call those? Come and find out.

Summer Picnic - 8th of August

Our first meeting in August will be held at the Rice Museum and will also be our summer picnic. The club will provide things like burgers, fixin's, and water. You bring a dish to share and your plates. The Rice will be providing tables and chairs.

There will be a silent auction of material we picked up earlier this year at the J2B2 field trip. Some of that is pretty exotic, so come prepared to bid on it. Picnic set-up time will be 4PM and by 5 or so we should be ready to eat.

Don't forget to notice who's helping out... because we'll be opening nominations for member of the year soon. Be sure to thank everyone who pitches in. Everyone appreciates it when their efforts are acknowledged.

Portland Regional Displays. Time to submit Display applications for the Portland Regional. See Walt Butler for one. There are still loaner cases available.

Theme for our Rock Swap meeting in August...."Images written in stone."

Got a rock with a picture of two birds and a tree? How about a dog or a boat on the ocean? If there's an image of something frozen for all time in your rock, bring it and show us what you found in it.

See you there.

Mitch Metcalf



Tualatin Valley Rock & Gem Club**Board Meeting**

There are no minutes for July 11, 2013. No quorum.

**Sunshine Report**

Dorothy Snook is our Sunshine Chairman, phone 503-648-3989.
Please call her if someone is ill, in the hospital or has had a death in the family so she can send a card.

John Vanloo is currently undergoing chemo.

Please keep him in your thoughts and prayers.

Tualatin Valley Rock & Gem Club**Regular Meeting**

Minutes for July 11, 2013

Sunshine Report: None.

Field Trips:

- ◆ Brian and Mitch gave information on upcoming field trip to Hampton Butte August 17-18 and Richardsons Ranch on August 16. More to come next month. Brian and his dad went to the site to make sure there was ample material for club members to dig – they found around 30 lbs.
- ◆ Brian to pass around sheet for selling material at the Summer Fest at the Rice NW Museum. You have to volunteer at the booth and 10% from your sales goes to the club. Event is August 3-4th. Lara to give program about the museum.

Old Business:

- ◆ Remember senior center will have a big car show on July 20th. Flintstone mobile will be there.
- ◆ Picnic will be held at the Rice NW Museum on August 8th - Thursday. Meet around 4pm. Bring a dish to share for potluck. Club will provide a main course. Bring plates and utensils. Water supplied.
- ◆ The theme for TVRGC's case at the Rice NW Museum will be "Rocks I Found at an Estate Sale or Garage Sale or Auction". The existing case will be changed out July 28th. Please let Tom Wilson know if you have something to display or bring to next meeting, July 25th.

New Business:

- ◆ T-shirts to be available for Summer Fest for the club to sell – using the new logo. A sign-up sheet was sent around for member to pre-order. Initial order will be 25 plus the pre-orders. Approximately \$15.00 – non-members will be around \$18.00.
- ◆ Walt Butler discussed applications for Portland Regional competitive and non-competitive displays. Sign-up sheets for volunteer opportunities at the Regional show were put on the table for members.
- ◆ Website email addresses for board members were established so personal email addresses will not be published.

Program on "Geology of Ireland" was given by Lara Brown.

Rock table display participants included Lara Brown, Taylor Hunt, Paul DeMeire.

Meeting was adjourned and refreshments were available.

Respectfully submitted by,
Linda Harvey, Secretary



TVRGC EVENT SCHEDULE

Board Meetings start at 6:30 pm, backroom of Senior Center
Regular & Social Meetings start at 7:30 pm, main room of Senior Center

August 8: Board meeting/Regular meeting (Rice NW Museum)
 Theme: picnic
 Program: "What's New at the Museum" - Lara O'Dwyer - Brown (Curator)

August 22: Rock Swap / Social meeting
 Theme: Images written in stone.

September 12: Board meeting/Regular meeting
 Theme:
 Program: "Evolution of the Columbia & Snake Rivers as they effect the
 Portland area." - Taylor Hunt

September 26: Rock Swap / Social meeting

December 7: TVRGC Holiday Banquet/Officer Installation at the Senior Center



CLASSES

Carl Weaver, for info call 503.357.9195
 Silversmithing Classes held: Tuesday mornings

Names of Mineral Habits

Since we are going to be learning the names of the general appearance or **Habit** a rock/mineral tends to have – whether it is found as blocky crystals, long slender ones, or aggregates of some type, etc. A review may be in order for some of the more familiar ones (some of these were at the last meeting). See if you can match the specimen and meaning with the habit.

<u>Habit</u>	<u>Rock or Mineral</u>	<u>Meaning</u>
1. Tabular	_____	_____
2. Bladed	_____	_____
3. Druzy	_____	_____
4. Dendritic	_____	_____
5. Botryoidal	_____	_____
6. Massive	_____	_____
7. Concentric	_____	_____
8. Banded	_____	_____

Match the Specimen to the Habit on Page 5

A. Copper



B. Goethite



C. Lake Superior Agate



D. Quartz on Chrysocolla



E. Forsterite & Magnetite



F. Hematite



G. Stibnite



H. Barite

**Match the Meaning to the Habit & Specimen on Page 5**

- I. Showing different bands or layers of color or texture as in some fluorite.
- II. Covering a surface in more-or-less outward pointing clusters of small crystals.
- III. Long thin crystals may be flattened like the blade of a knife.
- IV. In rounded masses showing layers around the mass in shells, working outward from the center.
- V. Globular or ball-like clusters - like a bunch of grapes.
- VI. No crystal structure visible, though the mineral may be crystalline. Some of this habit of mineral may also be granular.
- VII. Shaped like a pad of paper (thin) or a deck of playing cards (thick).
- VIII. Slender divergent branch- or fern-like clusters, such as some native silver crystals.
Also called Arborescent.

Answers will be given at the next meeting - picnic at the Rice NW Museum.

(Information for game taken from Mineralogical Society of America, Collector's Corner)

A Simple Mineral Identification Kit

A piece of plain white paper (a blank specimen label works great.)
 Your fingernails (preferable still attached to your fingers!)
 A copper penny (pre-1983; or small – ½ inch – piece of copper; or short piece of heavy copper wire.)
 A small piece of fluorite (a broken cleavage piece is fine.)
 A pocket knife (NOT a Swiss Army knife – the steel in those is harder than in most cheap pocket knives, which can throw hardness tests off.)
 A small section of a steel file (a 2 or 3 inch tip from a triangular file for sharpening chain saws works fine.)
 A piece of a quartz crystal (with at least one good face and a sharp point - a broken section usually has a sharp point on it somewhere, it doesn't have to be a crystal termination.)
 A small piece of a beryl or topaz crystal (with at least one good face and a sharp point or edge.)
 A small piece of a corundum crystal (with at least one good face and sharp point or edge.)
 A "streak plate" (unglazed porcelain tile – a 2 inch square is plenty.)
 A short candle stub and matches or a cigarette lighter.
 A small pair of tweezers.
 A needle in a wooden dowel (for generating cleavage, etc.)
 A small magnet (a refrigerator magnet is fine, but it should be a fairly strong one.)
 A plastic dropper bottle for dilute (10%) HCl acid solution (Please read, understand and follow the label warnings and Material Safety Data Sheets when working with any hazardous material).
 A 10x hand lens/jeweler's loupe.
 Blank specimen labels.
 Pens or pencils.

Most of these items are for testing hardness, and there are more listed than required. But when you have specific minerals in mind, the extra hardness tools will help you in determining the specific hardness.

The streak plate is used for obtaining a colored (or not) powder streak of the mineral. Many minerals give a different powder streak color than the mineral itself. (Such as black hematite giving its characteristic "rust red" streak.)

The candle stub or lighter is used for doing basic fusibility tests – will a chip fuse in the flame? The tweezers keep your fingers from getting burned doing the fusibility test!

A magnet is used for testing whether or not a sample is magnetic.

A loupe is often necessary for examining broken mineral surfaces to check the cleavage. And figuring out what mineral you have would be a waste of time if you don't label the sample – and forget what it is by the time you get around to looking at it again. (From the Mineralogical Society of America - Collector's Corner)



2013 TVRGC Field Trip Schedule

Contact Brian True for more information or to sign up for a trip.
 email: truerockhounds@yahoo.com
 Phone: 503.640.2195



August 16 Richardson's Rock Ranch, Madras, OR
 Material: Thunder eggs
 Fee dig site

Currently, no members have shown interest in visiting Richardson's. Please let Brian know by the August 8th meeting if you will be going on this trip. It will be cancelled if no one responds.

August 17 -18 Hampton Buttes, Prineville, OR
 Material: Green petrified wood, jasper, agate

A map will be supplied to members wishing to attend this trip. Please let Brian know if you will be at the site on Saturday or Sunday.

October 5 Saddle Mt, WA
 Material: Petrified wood

October 6 Greenwater, WA
 Material: Black agate

Other Shows/Events Calendar

August 3 (10-5) 4 (10-4)	Summer Festival and Gem Fair Rice NW Museum of Rocks and Minerals, Hillsboro, OR Admission: Adults - \$3.00, under 17 - Free
August 10	Northwest Fossil Fest (Crab) Rice NW Museum of Rocks and Minerals, Hillsboro, OR Free admission
August 16-18	Seaside Gem Show Seaside Convention Center, Seaside, OR Admission Free
September 7 (9-5) 8 (10-4)	Umpqua Gem and Mineral Club (Wonders of Obsidian) Douglas Cnty Fairgrounds Free admission
September 21 (10-6) 22 (10-4)	48th Annual Rock & Gem Show Castle Rock Fairgrounds, Castle Rock WA Free Admission
October 11-12 (10-6) 13 (10-5)	Portland Regional Gem & Mineral Show Washington County Fairplex, Hillsboro, OR Admission: Adults - \$5.00, 12 & under - Free

Find Us On the WEB**TVRGC: www.tvrgc.org****NFMS: www.amfed.org/nfms/****Oregon Council: www.oregoncouncilrmc.org/****Portland Regional: www.portlandregionalgemandmineral.org****Birthstone for the month of August - Peridot**

Peridot is a gemstone that forms deep inside the Earth and is brought to the surface by volcanoes. Today, most of the peridot supply comes from Arizona; other sources are China, Myanmar, and Pakistan. It is one of the few gemstones that occur in only one color, an olive green. The intensity and tint of the green, however, depends on how much iron is contained in the crystal structure, so the color of individual peridot gems can vary from yellow- to olive- to brownish-green. The most valued color is a dark olive-green. (American Gem Society and Wikipedia)