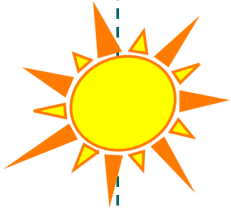


June 2016



Volume 56 Issue 6

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Rock-A-Teer

Newsletter of the Puyallup Valley Gem & Mineral Club

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Puyallup, WA 98371

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Fossil Hunting in Glendive, Montana By Gary Burgess

In June 2015 I revisited Glendive, Montana with my niece Rachel. We were there for multiple reasons. However, the most exciting part of this trip would be exploring the Pierre Shale Formation exposure south of Glendive for the first time.

We arrived only one day early, so my niece Rachel and I spent the first day indulging in our other hobby, photography. We toured and photographed the Makoshika State Park located just south of Glendive. The park is located on an exposure of the late cretaceous Hell Creek Formation. The badlands exposed there have produced T-Rex and Triceratops fossils. There is an excellent visitor center at the entrance to the Makoshika State Park that displays some of the fossils found there. (<http://stateparks.mt.gov/makoshika/>).

The second day of our stay, we visited local Marine Invertebrate Paleontologist Tom Linn. Tom is with Early Earth Enterprises, a rock shop co-op that deals in rocks, fossils, minerals, consultation, and preparatory work. It is located on Highway 16 in Glendive.

Tom graciously invited us into his home and showed us his extensive and beautifully prepared marine invertebrate fossil collection from the region. He then took us out to the Pierre Shale exposure south of Glendive, where he gave us a description of the local geology.

We found very few fossils exposed on the ground. I finally resorted to breaking surface concretions to find an assortment of small to medium sized marine invertebrate fossils. After a few hours of climbing the hills and valleys we ended our collecting for the day and returned to Glendive for a late lunch.

After lunch, we visited the Frontier Gateway Museum and the Glendive Dinosaur and Fossil Museum. They are both located on the Belle Prairie Frontage Road 300 next to I-94 in Glendive. We enjoyed viewing the displays of local history as well as the natural history items. The fossil displays and life-like dioramas were quite impressive.

The next morning we went to Marge Baisch's ranch just outside of Glendive. We spent two enjoyable days in near perfect weather with Marge searching for fossils in a different area of her ranch than we explored in 2014.

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Articles not
bylined are by
the editor.

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2016 Elected Officers

Table with 4 columns: Title, Name, Phone, E-mail. Rows include President (Jim Christian), Vice President (Glen Ripper), Secretary (Karen Lebeter), Treasurer (Larry Hoffman), Federation Director (John Huber), and various 1, 2, and 3 year Directors and Trustees.

2016 Committee Chairs

Table with 4 columns: Title, Name, Phone, E-mail. Rows include Clubhouse Coordinator (Jim Christian), Club Show (Nancy LeMay), Editor (Gina Acosta), Field Trips (Tony Johnson), Library (Brett Lawrence), Membership (Larry Hoffman), Newsletter (Brett & Sherry Lawrence), and WA State Fair (Alvin Wible).

Rock Sale

June 16-19, 2016

11am - 4pm daily

During the Prineville Pow Wow

Agates, Jaspers, Petrified Wood, Etc.

Rough and Slabs Some bucket sales

4-5 tons of rock New material daily

3 Arizona wood round sections

Also cabs and wire wrapped jewelry

Juniper Canyon Storage East

2521 NE 3rd Street (Highway 26) Unit #5 Prineville, OR

East on Hwy 26, past Bi-Mart and Ford. Park outside fence and walk in from gate between fence and building.

No Early Sales

Watch for signs

Steve and Edna Nelson

(503) 397-5284

Show & Tell Themes and Program Nights

Date	Show & Tell Theme	Program Meeting
June 10 th	Club Show Purchases and Finds	
June 24 th	Lace Agates	TBD
July 8 th	Red, White, and/or Blue Rocks	
July 22 nd	Carnelian Agate	TBD

Puyallup Valley Gem & Mineral Club

The Rock-A-Teer, our club bulletin, along with our club activities are dedicated to the encouragement of friendliness, good fellowship, and to inform the members of earth sciences. Please visit our web sites for more information about our club:

<http://puyallupgemclub.org/> (static for visitors), or <http://puyallupgemclub.org/blog>

Meetings are the second (2nd) and fourth (4th) Friday of each month except:

August (Potluck Picnic 2nd Meeting).

December (Holiday Dinner 1st Meeting, 2nd Meeting cancelled).

Time: 7:30 PM, except for Potluck nights (times to be announced)

Where: Fruitland Grange (112th & 86th Puyallup, WA) unless stated otherwise.

Board Meetings are held on the Tuesday prior to the 1st meeting of the month.

Maps to the clubhouse are available at the Business and Program Meetings.

Dues are \$20.00 for a single membership and \$25.00 for a family membership.



The Puyallup Valley Gem & Mineral Club is a member of the Northwest Federation of Mineralogical Societies and the Washington State Mineral Council and affiliated with the American Federation of Mineralogical Societies. <http://www.amfed.org/nfms>



June Birthdays

- Susie Diedrich (1st)
- Judy Line (5th)
- Jennifer Barnstien (9th)
- Dennis Linville (10th)
- Doris Russell (15th)
- June Hallin (27th)
- Margaret Johnson (28th)
- Robin McDonald (28th)
- Glenn Rodrick (28th)



WELCOME NEW MEMBERS AND GUESTS

Be sure to explore **John Huber's Rock Garden in Lakewood.**
Lapidary quality material now **FIFTY CENTS** per pound. You pick.
Call John at **(253) 582-8682** for more information.

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(253) 531-7294 **yankees_diesel@comcast.net**



Brad's Bench Tips By Brad Smith

LITTLE THINGS CAN BITE

Most jewelers treat motorized equipment with caution. We've all heard stories about workpieces coming loose in the drill press or about getting long hair or clothing caught in the polishing machine. It stands to reason that a machine with a motor of a half horsepower or so is going to win out over its operator. We all know that, and I'm not going to harp on it. That's not the point of this story.

I want to talk about the smaller motor powered machines we often use, the ones with little 3 inch diameter motors. For instance, these small motors are used in flexshafts and micro buffers. They're so small that many of us forget caution when using them. I'm guilty of it myself sometimes, and believe me it can get you in trouble. Here's what happened to two people I know.

One friend had a polishing bur bend in the handpiece and then whack the thumb that was holding the workpiece so badly that it seemed the bone might be broken. The swelling was substantial, and it took several weeks to regain normal use. A small underpowered motor? I don't think so.

Another friend was using one of the small buffing machines, the kind you can stop when you apply too much pressure to the wheel. Not to worry about such an underpowered beast you say. Wrong, it literally jumped up and bit the hand that feeds it!

Buffer was set on a low table to do a quick polish, so was not mounted or clamped. A buff was installed on the right spindle, no buff on the left. Friend was wearing a tight-fitting, long-sleeved sweater. While buffing on the right wheel, the left tapered spindle caught a thread on the friend's left sleeve and started grabbing more and more threads and sleeve.

Rather than pulling the arm into the machine, the light buffer quickly lifted off the table and started climbing up the underside of the friend's arm. There was no way to get a hand of the on/off switch because the unit was spinning wildly and battering my friend like a club wielded by a mad man. Only when my friend could grab the gyrating power cord and yank it from the wall did the mayhem stop.

So when you're in the shop, please think safety. Don't take even those little motors for granted.

Get all 101 of Brad's tips in "Bench Tips for Jewelry Making" and his newest publication, "Broom Casting for Creative Jewelry" on Amazon.

QUICK CLOSE-UPS

Often when trying to get a close-up photo with your iPhone or Android, you end up with a fuzzy, out-of-focus image. Next time try using your loupe over the camera lens. It works quickly and easily.



Kid's Corner By Diana Acosta

At our meeting we were studying crystals and geodes, and boy did we have fun! Jim Christian and Brenda Poling showed the kids how to cut small geodes and how to be safe around the saws. Then each child washed their geodes and inspected them with magnifying glasses before we assembled our projects. Before ending our meeting, Dave & Amy called all the kids outside and had them choose a large geode and cracked them open. They were absolutely beautiful! Membership badges were given to all of our "Pebble Pups" and they enjoyed sugar crystal candy, cookies and juice. Thanks to all the volunteers, we couldn't do it without you!

Our next meeting will be June 17th @ 7:00 at the Club House. We will be making mineral collections with the kids.

WA State Mineral Council Field trips As Copied from The Council Reporter

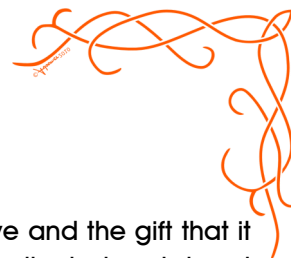
Date	Host	Site	Meeting Time & Place	Material	Tools
June 10, 11, 12, 13, 14	Spokane	Succor Creek & McD	Contact host for information	Thunder Eggs, Agate	Dig & Hard Rock
June 18	Darrington	FR 17 & 18	9 AM @ Darrington IGA	Jade, Hematite, Serpentine	Dig Tools
June 23, 24, 25, 26	NWOS	Madras, OR	8 AM @ County Fair Grounds	Agate, T-Eggs, Petrified Wood	Dig & Hard Rock
July 16	POW	Sweetwater	10AM @ Darrington Show	Travertine	Dig & Hard Rock

Washington State Mineral Council guided field trips are open to member clubs and the general public. Most trips are free. For general updated information, go to: mineralcouncil.wordpress.com or contact Ed Lehman at wsmced@hotmail.com or Home: (425) 334-6282, Cell: (425) 760-2786. Ed is the current contact for POW and the Darrington Rock Club. The Spokane Rock Rollers contact is Mike Shaw at mikeshawmoose@yahoo.com or (509) 244-8542. Tony Johnson, (253) 863-9238, is the contact for the Northwest Opal Society (NWOS).

California's Highest II By Brett Lawrence

K E E L E R N E E D L E F L R C E
M R J O A D A V E N A R R E I S L
R I G U E M T E R T Y I D C N V C
N C S D N O E T B L D K R O A H A
E C S E B C L N A I A Y K N J R N
Y S E B R D T T C W R S E T O E N
T O A L V Y S I E N V C L E R N I
L N F U B A H A O D Q C H N T O P
O I F N H A H I L N R P G H N S Y
B W I S P A T L L E L O U R A P R
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D D A J I K Y D A E U C L S A H O
N G A T C R N R R K T A B E H T C
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T O R T N E M T N I O P P A S I D

- ABBOT
- BIRCH
- CORCORAN
- DARWIN
- DISAPPOINTMENT
- DISCOVERY PINNACLE
- ERICSSON
- GODDARD
- JUNCTION
- KAWEAH
- KEELER NEEDLE
- LE CONTE
- MISERY HILL
- MUIR
- RED KAWEAH
- SHASTA
- SIERRA NEVADA
- STANFORD
- TABLE
- THOMPSON
- THUNDER
- THUNDERBOLT
- TROJAN
- TYNDALL
- WHITE MOUNTAIN



June 2016

Volume 56 Issue 6

Gifts From Mother Nature By Nancy LeMay

I was inspired to write this story, so here goes...

This is a story regarding the rock collection of Carolynn Rothwell and Brian Hargrove and the gift that it turned out to be. Mother Nature exposed the stones for Carolynn and Brian. They collected and stored them. They made beautiful jewelry with them. They shared stories of their adventures and lives with those fortunate enough to hear them.

We should appreciate the gifts that come to us.

It saddens me when people have a need to vilify and point fingers at others that they perceive as wrong doers. These people need to look back at themselves. They need to speak the same words while facing a mirror and see the face they are reflecting. Is it love, kindness, gratitude? Is it how they want others to see and remember them by? I doubt it. The scratching and clawing and one-up-manship will only bloody their own fingers. The more this hatred is allowed to bubble up the deeper they will plummet into a sad abyss.

There is hope! We can dig inside to uncover the layers of pain, betrayal, loss and abandonment. Dig through all of it to the light. It's still there. We were born with it. Take the microscope we look at others with and turn it towards our hearts. See that! Do you see it? There is a light. Your piece of what some call God. We were born with this light. It's our connection to the sweet spirit we were born with. Look at that! The more you see and recognize it; you will see it is LOVE. Can you find or collect anything greater than love?

My experience and intention for the rock collection was to share it. From day one of collecting to the last light of the last day everyone found a special treasure. I saw that for myself and appreciated the opportunity to make someone's day.

Recently I visited the home of Carolynn and Brian again to see what was left. The yards are clean and free of trash and accumulated stuff. The rocks are mostly gone and the home is free of the weight of that collection. Free of the years of good intentions that got away from the collectors. The home is ready for another family. I'm hoping there will be a small child playing in that back yard someday that will find another treasure, and another and another...

Be grateful for what you have. Find peace. Find the love in your heart, it's there! It's the only treasure we will take with us when we leave this life.

Thank you Carolynn and Brian for the wonderful gifts you left behind for us. They are beautiful!

Upcoming Shows As Copied from the NFMS Newsletter

June 3, 4, 5 Fri, Sat, Sun: 10-5	Puyallup Valley Gem & Mineral Club	Swiss Park 9205 198th Avenue East Bonney Lake, WA	Nancy LeMay (253) 985-5784 bees2knees@att.net info@puyallupgemclub.org
June 4 & 5 Sat: 9-5 Sun: 10-4	North Idaho Mineral Club	Kootenai County Fairgrounds 4056 North Government Way Coeur d'Alene, ID	Dean Hutchinson (208) 686-9156 PO Box 1643 Hayden, ID 83835
June 11 & 12 Sat & Sun: 10-5	Butte Mineral and Gem Club	Butte Civic Center Annex 1340 Harrison Avenue Butte, MT	Pete Knudsen (406) 496-4395 PO Box 4492 Butte, MT 59702
June 25 & 26 Sat: 10-6 Sun: 10-4	Oregon Coast Agate Club	National Guard Armory 541 SW Coast Hwy 101 Newport, OR 97365	George Mazeika (541) 991-0311 georgemaze58@gmail.com

Fossil Hunting in Glendive, Montana By Gary Burgess *Continued From Page 1*

We collected a few fossils and then Marge took us into an area littered with agatized wood. We easily collected our quota of petrified wood while we were there. After each day of collecting, we had the great pleasure of visiting with Marge at her home, viewing her fossils and minerals, and discussing the subject of fossils. The website for her ranch is <http://dailydinosauridigs.com/> .

The next day started with intermittent heavy rain showers. This eliminated the possibility of collecting fossils, so we stayed in town. We spent the morning collecting agates on a sandbar of the Yellowstone River east of Glendive.

The next morning was our last in Glendive, so we returned to the Pierre Shale site for a few hours of final collecting. We found a few more specimens, then called it a day and returned to the hotel to pack up.

The Pierre Shale Formation (formerly called the Fort Pierre Group) existed from 69 to 82 million years ago. The Pierre Shale formed in the Western Interior Pierre Seaway of North America (Larson, Neal L. et-al, 1997). The Pierre Shale Formation consists of nine stratigraphic layers (Boerngen, et-al, 1980).

The area southeast of Glendive is geologically known as the Cedar Creek Anticline. The Cedar Creek Anticline is an oil producing anticline from the Paleozoic period.

According to the article; History of the Cedar Creek Anticline, Southeast Montana (Davis, John, 2013), "Oil was discovered on the Cedar Creek Anticline in the Gas City Oil Field in 1951. Thirteen fields on the anticline have produced over a half billion barrels of oil from about 2,700 wells. The Cedar Creek Anticline is a collection of structural traps, inter-connected by various faulting styles, including some subsets of fracture pattern overprinting. Located in southeast Montana, the anticline stretches 115 miles southeast from Glendive, Montana to Buffalo, South Dakota."

See next month's issue for the last bit of Gary's article and all his amazing photographs that were meant to be dispersed throughout this article. Apologies to you Gary, for your photos being out of place.

To Those Who Made May's Field Trip Possible

Tony Johnson wished me to send out a huge "THANK YOU!" to Dick Diedrich, Peggy Johnson, and Chris Morrison. I do believe that same huge thank-you needs also to be extended to Tony himself. All of these amazing people made May's field trip possible. Tony knows that every year trees and brush need to be cleared after winter from the forest road to access the Greenwater location that was May's field trip destination, only this year it was apparently *really* bad. So before any of us could head out for collecting fun, Tony, Dick, Peggy, and Chris painstakingly cleared the road for us to be able to access the location without an issue come field trip day. Thank you for all your hard work!

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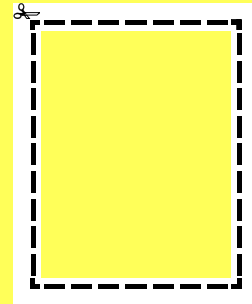
10X10 Space:	\$25.00 (ONE TABLE PROVIDED; BRING OWN IF MORE ARE NEEDED)
CALL FOR INFO:	(360) 384-3187 or (360) 366-0121 & RESERVE SPACE
DATE/TIME:	SATURDAY June 18, 2016 from 10:00AM - 5:30PM; SET-UP IS AT 8:00AM
LOCATION:	BLOEDEL DONOVAN PARK (2214 Electric AVE. Bellingham, WA)

Rock-A-Teer

*Newsletter of the Puyallup
Valley Gem & Mineral Club*

P.O. Box 134
Puyallup, WA 98371

JUNE 2016



Clip and Donate stamp to the
Club for Cancer Research.
Please leave about 2" of paper
around the stamp if possible.

We are on the web!
Puyallupgemclub.org/blog/

June 2016

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2 6PM Cabbing Class	3 10AM-5PM Club Show	4 10AM Hands-On 10AM-5PM Club Show
5 10AM-5PM Club Show	6	7 6PM Cabbing Class 7PM Board Meeting	8	9 6PM Cabbing Class	10 7:30 Business Meeting	11
12	13	14 6PM Cabbing Class	15	16 6PM Cabbing Class	17 7PM Jr's Program	18 10AM Hands-On
19	20	21 6PM Cabbing Class	22	23 6PM Cabbing Class	24 7:30 Program Meeting	25
26	27	28 6PM Cabbing Class	29	30 6PM Cabbing Class		