



## BUGLE



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RIPPLE ROCK GEM & MINERAL CLUB  
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December 2016

Regular monthly meeting  
2<sup>nd</sup> Friday each month at 7:30 pm  
(Except June, July & August)  
Craft Room, Campbell River Community Hall  
401-11th Ave  
Campbell River, BC



# RIPPLE ROCK GEM & MINERAL CLUB

## RIPPLE ROCK EXECUTIVE 2016

President	Kathy Young	250-285-3343
Vice-President	Linda Henderson	250-286-1718
Past President	Gordon Burkholder	250-923-1740
Secretary	Steve Cooley	250-287-4388
Treasurer	Dennis Cambrey	250-337-8949
Wagonmaster	Shane Mawhinney	250-285-3465
Assistant Wagonmaster(s)	Ken Palmblad	
Show Chair	Pat Doyle	
Shop Coordinator	Beba Adams	250-926-0044
Shop Maintenance		
Entertainment		250-285-2377
Publicity	Diane Cooper	250-830-0889
Bugle Editor & Distribution	Gordon Burkholder	250-923-1740
<b>Non-Executive Positions</b>		
Webpage Manager	Janet Burkholder	info@ripplerockgemand mineralclub.com
Library	Linda Henderson	250-286-1718
Showcase	Beba Adams	250-926-0044
Slab Draw/Collection	Beba Adams	250-926-0044
Coffee Break	Jack and Jan Boyes	
Basic Lapidary Instructor	Steve Cooley	250-287-4388

### Delegates to Vancouver Island Zone Meetings

Senior	Jan Boyes
Intermediate	Ulla Williams
Junior	Up for election

## WORKSHOP

Shop located at 246 Dahl Rd.  
 For general shop info contact  
**Beba Adams 250-926-0044**  
**The workshop hours are posted on the  
 club website.**  
**[www.ripplerockgemandmineralclub.com](http://www.ripplerockgemandmineralclub.com)**

### MEMBERSHIPS

A single membership is \$15.00 and a family is \$25.00. Memberships may be paid at the *General meetings* or by mail to Box 6 Campbell River, BC, V9W 4Z9.

## **Election Postponed**

Club Elections are held in November and the nominations for the positions should be made this month

President        nominee    Linda Henderson

Vice President    nomination **open**

Treasurer        nominee    Dennis Cambrie

Secretary        nominee    Steve Cooley

Show Chair        nominee    Pat Doyle

Assistant Show Chair    nomination **open**

Shop Foreperson    nominee    Beba Adams

Shop Maintenance    nomination **open**

Wagon Master     nominee    Shane Mawhinney

Assistant Wagonmaster    nominee    Ken Palmblad

Club Publicity     nominee    Diane Cooper

Entertainment Chair    nomination **open**

Junior Zone Representative    nomination **open**

and Bugle Editor    nominee    Gordon Burkholder

## **Gemboree Report**

### **Christmas Pot luck Dinner**

The annual pot luck dinner will be held on the regular meeting day in December. It will begin at 6:00 in the lounge which is right next to the craft room across the hall. Prepare your favorite dish to share with your fellows. More details will be provided at the November meeting so be there or read

the minutes which will be sent out. You will all need to bring along your plates and cutlery and a beverage.



## **Zone Meeting**

Meeting held Saturday, November 26, 2016, at the home of Marion Barclay in Parksville BC.

Delegates in attendance were:

Judy Moss, island zone chairperson - Cowichan Valley Rockhounds

Gary Veitch, island zone treasurer - Cowichan Valley Rockhounds

Darlene Veitch, island zone secretary – Cowichan Valley Rockhounds

Mike Hill, representative - Victoria Lapidary and Mineral Society

Jack Boyes, intermediate delegate - Courtenay Gem and Mineral Club

Marion Barclay, senior delegate - Parksville and District Rock and Gem Club

Cynthia Jones, intermediate delegate - Parksville and District Rock and Gem Club

Doreen Patterson junior delegate - Parksville and District Rock and Gem Club

Janice Boyes, senior delegate - Ripple Rock Gem and Mineral Club

Melissa Ticknor, intermediate delegate - Ripple Rock Gem and Mineral Club

Dave West, senior delegate - Alberni Valley Rock and Gem Club

Dot West, Junior Delegate - Alberni Valley Rock and Gem Club

Chairperson Judy Moss welcomed returning and new delegates. Marion Barclay was thanked for hosting the meeting and presented with a potted Christmas arrangement.

July 10, 2016 minutes were amended to include Gary Veitch and Doreen Patterson as delegates in attendance.

Treasurers Report submitted by Gary Veitch

Starting balance July 1, 2016	\$1811.99
Bank Charges to November 26, 2016	(\$12.50)
Income from 2016 Gemboree	\$1255.63
Balance to November 26, 2016	\$3057.62

Club Reports

### **Alberni Rock and Gem Club**

Not much has happened since the Summer. The summer was non-existent for Club activities and the fall has been the same. We are having our Christmas Party next Sun. It consists of a free catered dinner for club members. Planning of our show is going spectacularly. It will be held March 10 and 11, 2017. Our Chairman Ron Creber has done a great job increasing the number of vendors attending. We have had several people who have left. Some have medical reasons and some have aged out. I would like to take this time to wish you and yours a very Merry Christmas and a Happy & prosperous New Year

Respectably submitted

Dave West

### **Ripple Rock Gem and Mineral Club**

Prepared by Janice Boyes

The elections for the Exec of 2017 have not been held yet, but all incumbents are willing to stand again. The membership for 2016 was 72 total, comprised of 20 family and 32 single memberships. The Club activities are the usual monthly meetings, on the second Friday of each month at 7:30pm in the Campbell River Community Hall, 401-11th Ave, in the Craft Room. At each meeting is a rock and slab draw, and a Name Tag draw (for those who remember to wear their names.)

Other activities that members volunteer for are 1) Dagmar and Wayne teach gem tree making to special needs youth, The Elder College will rent the shop for a basic Lapidary course in February 2017. Each year for the past 3 yrs, Melissa and Jamie have had a "club information" table at the Eagle Fest that MARS puts on. (A MARS fund raiser).

Field Trips; There have not been as many this year as in some past years. The Summer trip to Rock Candy Mine went well, Some trips had to be cancelled due to fire danger, and now high water, but I know Shane Mawhinney is always thinking of places to take the group.

Club Concerns—Right now the chief concern is how to entice a large turnout to Gemboree next summer.

Workshop; Under the management of Beba, the workshop seems to be supporting itself. It has relatively good attendance, and the equipment is well looked after by Beba and by Hans. We have found that there is very little use of the Library. So it was discussed, and a motion made and passed that the books and tapes be disposed of in various ways. Sell, Prizes, or given away to deserving members. This fall, Emma Minato (Beba's granddaughter) won a BCLS \$500 scholarship. She is attending U Vic..

### **Victoria Lapidary and Mineral Society**

The VLMS got back to regular meetings in September. Attendance at the meetings has increased and we enjoy a good turn out for club events. Our classes have also started up again and are proving to be a good draw for new members as well as existing club members wanting to try their hand at something new. We are currently running a Beginner's Lapidary and Silversmithing course and will run a session of Opal possibly in the New Year.

Our membership is around 85 people and we have had a good return of members this year. We are also getting a broad cross section of people joining and this has spurred us to look at new activities and field trips. We have been doing field trips fairly consistently and we are looking at some extended trips. We are hoping to involve the other Island Clubs in these.

Our annual elections are coming up in January and our President (Cameron Speedie) will be stepping aside.

The Workshop open is growing in popularity both as a place to get work done and as a social and educational venue. Our new slab saw is being put to good use - as well members can slab material for a nominal fee or donate material to help fund the workshop. We are building up our resources for instructors as well and hope to be able to offer more advanced courses soon. Our meeting programs are being filled in including presentations by club members.

Our Rock and Gem Show committee is underway and is setting up for a great show. We are looking to change our venue as we are getting crowded at our current one both due to changes in the space and growth of the show.

The VLMS continues to be a healthy and active club and we look forward to more participation with our sister clubs in the Island Zone clubs

Mike Hill also reported that the Victoria Club held a successful mini show in October, and there are plans to repeat it in October 2017. Victoria members will be able to rent tables for a minimal cost, then it will be opened to the other club members in The Vancouver Island Zone. Mike also reported that he is a member of the faceting guild which meets once per month in Ladysmith. They meet the third Sunday of the month at

the Eagles Hall. Contact Mike Hill for more information or check out their website. They are called the Vancouver Island faceting guild.

Submitted by Mike Smith for the VLMS

### **Cowichan Valley Rockhound Report**

We presently have 59 Members and 6 Youths in the Club. However this is the time of year that we are collecting 2017 dues so the numbers aren't representative of the actual Membership.

Our Club has given the Zone half of the profit from the 2016 Gemboree, an amount of \$1225.63. We all had a wonderful weekend at Gemboree and we were pleased with the final profit. Looking forward to Gemboree 2017 in Port McNeil. Our 2 workshops continue on Tuesday and Friday.

We had one field trip to the Blue Grouse Mine in September and Neil took our newest Members out for a geology hike in October. Neil has also given his Glacial presentation to 2 groups of school children. This Sunday Nov 27th we are heading out to a Marble quarry near Gordon River.

We have been discussing a Club website and today we would like to discuss websites with other clubs that have embraced modern technology.

Our main concerns are finding new places to go on fieldtrips. Gary has created a survey form to poll our Members for their thoughts on what they want in the way of fieldtrips.

We are planning our Christmas Party for Dec 5th at the Duncan United Church.

Respectfully submitted,

Judy Moss

### **Parksville and District Rock and Gem Club**

The club had another successful mini-show as part of the Coombs Fair. We have our regular meetings on Tuesdays. There is time for information and conversation. The programs have covered ammonite/ammolite, rock identification, and transferring images on to rock. All were excellent!

The lapidary shop is currently open twice a week and new and old members are using the equipment.

Field trips continue to be an important part of the Club's activities. In November we had our election and were successful in getting a complete management slate who take over in January.

Memberships are being collected for 2017.

Our final event will be a year end pot luck supper during our regular meeting time.

It's been a good year.

Cynthia Jones

### **Courtenay Gem and Mineral Club**

Jack reported that their clubs portable workshop is being moved from Black Creek to Courtenay. Field trips continue mostly to look for fossils.

Jack Boyes

### **Zone Old Business**

All things related to the 2016 Gemboree have now been wrapped up. It was agreed that it was a successful event. The Ripple Rock Club was commended for getting an early start on planning for the 2017 Gemboree.

### **New Business**

The zone contact list was circulated for changes. An updated list will be prepared and sent out to all zone delegates.

Voting was clarified for new members. They were reminded that one person per club is entitled to vote. This is usually the most senior delegate present.

Judy initiated discussion regarding the cost of the Gemboree signs which have already been passed on to the Ripple Rock Club for the 2017 Gemboree. As these signs are generic and can be used in the future it was suggested they be paid for by the zone.

Jan Boyes moved that the zone reimburse the Cowichan Valley Rockhounds \$47.02 to pay for the Gemboree signs. Motion was seconded by Dave West. All were in favour and the motion was carried.

Jan Boyes gave a brief update on planning for the 2017 Gemboree. It will be held July 20 to July 23, 2017, at Cluxewe resort in Port McNeil. As it is a popular summer campground interested rockhounds are encouraged to reserve their accommodation early. There is full service camping, tenting, and cabin rentals available. Registration for the full weekend, including pancake breakfast and barbeque dinner is \$50.00 per person. Those registering by March 31 will receive a \$20.00 discount paying only \$30.00 per person for the full package. Registrations can be sent to Jan Boyes.

Next meeting will be held on Sunday, March 18th at 1:00PM. The meeting will take place at the Burnside Lawn Bowling Club, 274 Hampton Rd. Victoria BC. A light lunch will be provided.

Meeting was adjourned at 2:15PM. Moved by Dave West. Seconded by Marion Barclay



## Metal Jewellery Workshops: Jan-March 2017

### Vacuum Casting ([GENI 1241](#))

January 21 & 22, 9 am to 4 pm; \$209 including materials

Create a one-of-a-kind ring that will be carved, cast and finished in 2 days.

### The Art of Filigree ([GENI 1218](#))

February 4 & 5, 9 am to 4 pm; \$195 including materials

Learn an ancient form of open-backed wire work.

### Silver Jewellery Making- Beginners ([GENI 1205](#))

Feb 11-Mar 25, 10 am to 2 pm; \$319 including materials

Learn fabrication, soldering, bezel setting, finishing and surface ornamentation in this 6-week intro to jewellery making.

### Hammered Link Bracelet ([GENI 1224](#))

March 19, 10 am to 4 pm; \$139 including materials

Create a hammered link bracelet out of sterling silver wire – for all levels!

*See what additional workshops are coming up in the spring [here!](#)*

### **Give the gift of jewellery-making!**

**Did you know you can buy NIC Gift Certificates online? \$50 and \$100 denominations.**

Contact Julia Peters at NIC



## Editor's Note

I've been on the road for a month now and have settled into a beach front spot in San Felipe. Jan and I are enjoying the warm and mostly sunny weather. Not much to say yet about rock hounding opportunities in the area but as you know there are rocks everywhere! Have a Merry Christmas and a joyous New Year! Felice Navidad y Buenos Ano Nueve!

**Gordon Burkholder**

**Quotable Quote** What screws us up the most in life is the picture in our head of what it's supposed to be. – Socrates

## ROCK IDENTIFICATION 2.0

*Once again I'd like to take a look at rock identification techniques. The one presented here is taken from a government of BC pamphlet. I hope this expands your ability to identify common rocks.*

*Editor*

**Rock identification** with excerpts from *Identification of Common Rocks, Dept. of Mines and Petroleum Resources, by Officers of the Department, 1970.*

Rock identification can be very involved but with even simple equipment you and I may begin the process.

An Identification kit should include:

A rock hammer to break off bits of the specimen,

A steel blade pocket knife for the scratch test,

A 10x magnifying glass to study crystal structure,

An unglazed ceramic tile for streak testing,

And a dropper bottle of 5% hydrochloric acid (muriatic acid).

Rocks are aggregates of mineral grains sometimes of a single mineral but more often of several species. There are about 2000 known minerals today.\* (\*1970).

Field or hand identification relies on the use of known physical characteristics. Chief among these are crystal form, hardness, streak, lustre, and reaction to an acid solution. Colour is not always enough to identify a rock.

In some rocks the individual grains of the minerals are recognizable. In the coarser rocks the nature of the grains and their relationship to one another can be seen. In finer grained rocks minerals may not be recognizable and the rock may have a stony or dull appearance, the hardness and colour of streak are more important as a means of identification.

Identification of rocks depends on the manner of occurrence, uniformity, grain size, character of the grains, hardness, manner of breaking, colour, and behavior with a weak acid solution. Use only freshly broken and clean material for identification.

### **Rock ID Key**

To begin the process of identification, examine the specimen closely with the naked eye to determine which of the 4 descriptions fits it best. Follow each of the diversions in the chart as best as you can until you can name the rock.

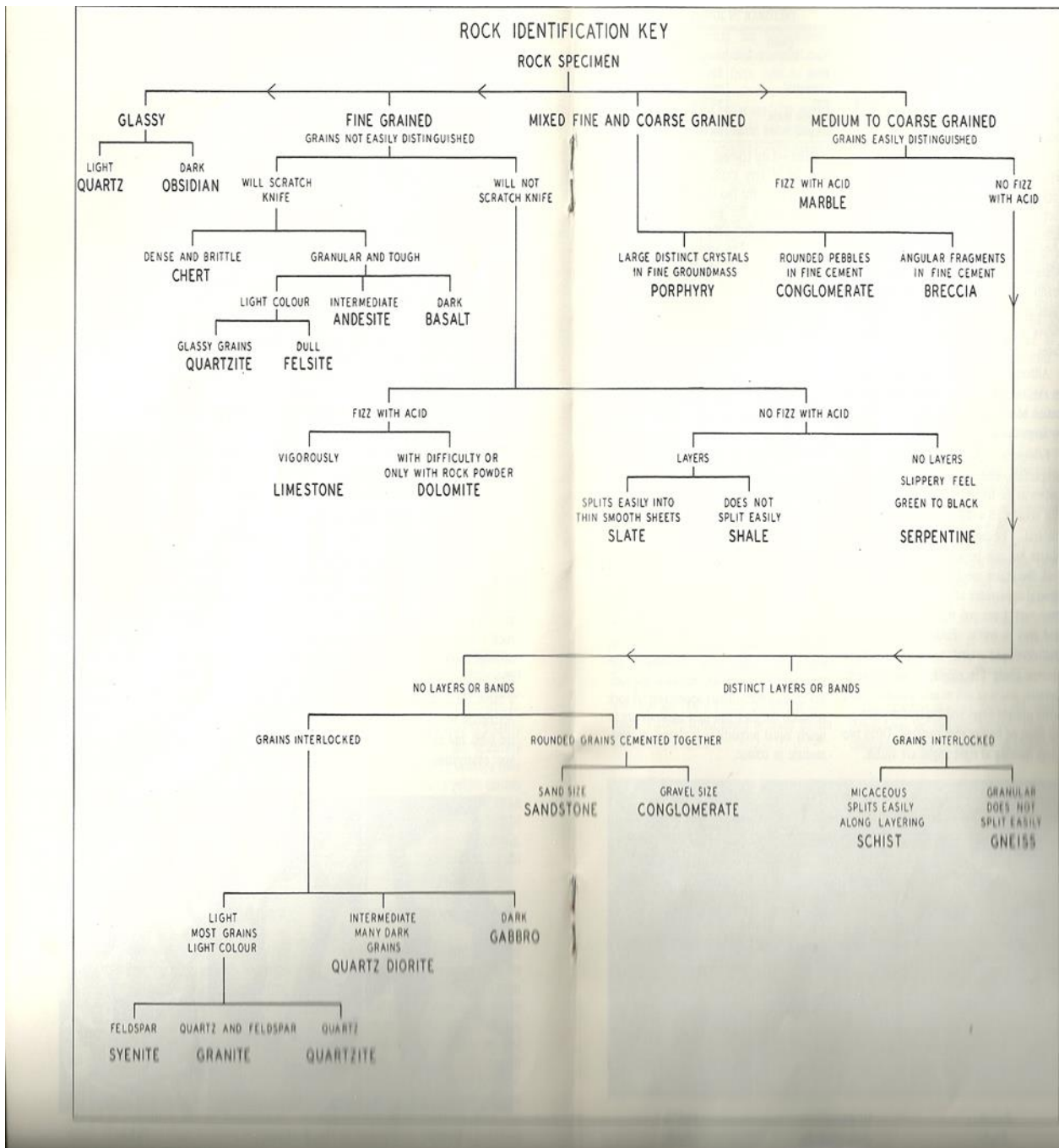
When you have come to the end refer to the descriptions to verify your conclusion. If they don't match go back and find a diversion where your observations might have been 'wrong' Retrace the steps on the chart.

Here is a table to assist in your efforts.

<b>NAME</b>	<b>LUSTRE</b>	<b>COLOUR</b>	<b>STREAK</b>
quartz	vitreous, greasy	clear to rose to grey	white
orthoclase	vitreous to pearly	pale, flesh to red	white
plagioclase	vitreous to pearly	white to grey	white
biotite	splendent, pearly	clear to yellow	white, greyish
amphiboles	bright and vitreous	white to green to black	white, green-greyish
pyroxenes	glassy to resinous	white to green to black	white to grey
dolomite	vitreous to pearly	white, grey	white, greyish
serpentine	wax-like, silky	white, olive to blackish green	white

While I hope this table gives you some help I myself am unsure of exactly what some of the descriptions under 'Lustre' mean. It will give me something more to research.

Gb



*(my apologies for the poor quality of the scan!)*

**Quotable Quote:**

He who is not courageous enough to take risks will accomplish nothing in life.  
 – Muhammad Ali

## **Common Igneous Rock**

- Quartz easily scratches a knife, transparent to translucent clear to smokey with a glassy appearance
- Feldspar 2 types; orthoclase and plagioclase almost as hard as quartz white, pink, red and from grey to green
- Mica peels into very thin layers. Igneous black mica = biotite. Metamorphic white mica = muscovite
- Pyroxene most common type is augite. Dark green to black. Forms stubby thick crystals that are square with rectangular cross sections.
- Amphibole most common type is hornblende. Dark green to black in needle formations with star like cross sections
- Intrusive Rock light coloured = granitic dark coloured = gabbroic
- Granite light pink to grey medium coarse grained interlocked grains of quartz and feldspar
- Syenite little or no quartz looks like granite. Interlocked grains of feldspar and hornblende or mica. Rare in BC
- Gabbro dark, medium to coarse grained. Granular construction. ½ or more are dark, usually pyroxene. The rest is plagioclase feldspar. Not common in BC.
- Quartz Diorite medium to dark grey granular rock of medium to coarse grain with feldspar and dark minerals and quartz.
- Granodiorite Falls between granite and quartz diorite. Feldspar in equal amounts of plagioclase and orthoclase feldspar. Common in BC.
- Diorite falls between quartz diorite and gabbro. Has salt and pepper appearance with no quartz. Not common in BC
- Extrusive Rock Lava or volcanic rock composed of mineral grains too small to see with the naked eye
- Felsite fine grained light coloured rock of which rhyolite is most common. May show flow bands of a wavy or swirly nature. Not common in BC.
- Basalt Dark fine grained tough rock often porphyritic, vesicular, or amygdaloidal. The holes formed by gases get filled especially with agate. Common in BC.
- Andesite intermediate colours of fine grained rock nearly equal to diorite
- Obsidian a glassy fine grained rock usually dark in colour. It has a conchoidal fracture.

## **Common Sedimentary Rocks**

- Breccia (pronounced bretchia) sharply angular fragments of rock held together by a fine cement
- Conglomerate looks like concrete gravel held together in cement
- Sandstone grains of sand cemented together from fine mudstone
- Shale grey to brown or black easily scratched with a knife. May have an earthy odor. Some shales contain calcium carbonate and may fizz if tested with mild acid.
- Limestone will fizz vigorously when tested with weak acid. It is calcite (calcium carbonate) fine grained white to grey or even black and is easily scratched with a knife
- Dolomite looks like limestone but will not fizz in weak acid solution unless powdered or hot acid (high %) test is used. Often weathers to brown or redish colour.
- Chert hard dense rock of many colours. Commonly dark in BC. Is waxy smooth but brittle and may form conchoidal fractures or shatter in to slivers.

## **Common Metamorphic Rock**

- Marble is limestone rechrystallized. Medium to coarse grained rock interlocked crystals of calcite. Ordinary marble will fizz in acid test.
- Quartzite metamorphosed quartz sandstone. Extremely hard and tough. Broken faces have a glassy look. Most quartzite samples contain some mica.
- Gneiss (pronounced nice) medium to coarse grained banded rock with light and dark minerals in alternating bands.
- Schist A foliated rock that is between slate and gneiss. Mica is abundant and the facwes of a split rock glisten with the mineral
- Serpentine An oily looking green to black fine grained rock that is easily scratched with a knife blade. Fragments have a smooth shiny face and a slippery feel. Tend to be translucent.



"It looks like our time is up."

