



CALGARY LAPIDARY JOURNAL



VOL. 45 NO. 7

NOVEMBER 2009

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NOVEMBER MEETING

Friday 13 November 2009 7:30 pm

SPRUCE CLIFF COMMUNITY CENTRE
608 Poplar Road SW. Calgary, AB

PROGRAM

Live & In Colour - Our Annual Auction Night
Rough Rock, Slices, Minerals, Faceting Material, Equipment.
You name it and we'll have it!

PEBBLE PUPS

MINERALS

REFRESHMENTS

Coffee, Tea, Juice
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DECEMBER MEETING

Friday 11 December 2009 7:30 PM

PROGRAM

Organic Gems with Lorne Alcock

Collection of non-perishable food and other items for our Christmas Charity
either the Mustard Seed Ministry

PEBBLE PUPS

Rock Pets / Crazy Critters

REFRESHMENTS

Coffee, Tea, Juice. Snacks supplied by the committee



CALGARY ROCK & LAPIDARY CLUB
www.crlc.ca

MEMBER OF

ALBERTA FEDERATION OF ROCK CLUBS
GEM & MINERAL FEDERATION OF CANADA



THE CALGARY LAPIDARY JOURNAL

NOVEMBER 2009

The Calgary Lapidary Journal is the "official" publication of, and is published by The Calgary Rock and Lapidary Club, a non-profit organization dedicated to the sphere of the Earth Sciences pertinent to the lapidary hobby in Canada.

Members are requested to submit hobby related articles or reports for publication. All articles should be submitted to The Editor not later than the 15th of the month. Items from this Journal may be reprinted, **unless otherwise stated**, providing proper credit is given to both the original author and this publication.

The Journal, published 8 times per year, is mailed to member families as part of their yearly membership dues. Non members may receive the Journal on Subscription - **\$10.00 per year**. Nominal charge for Advertisements - items wanted or items for sale.

Subscription requests and renewals as well as advertising submissions should be directed to:

THE EDITOR

Trudy Martin 287 -1570
110 Lissington Drive SW
Calgary AB T3E 5E3
martintm@telus.net

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MEET & GREET

Lorna Hightower

We had 41 members that signed in at the Meet & Greet Table at the October meeting. Please remember to sign in before the end of coffee break ... our door prizes will be handed out just before the program part of the meeting begins.

DOOR PRIZES

We generally have 4 door prizes each meeting - 2 for adults and 2 for pebble pups. If members have suitable donations to be used as prizes, we will gladly accept them.

OCTOBER WINNERS

Pebble Pups

Owl Shell Figurine and Pyrite sample - Brett Haausberg
Girl Shell Figurine and Conglomerate Sample - Pippa D'Souza

Adults

Marble Cup & Bowl - Peter Meyer
Marble Trinket Box - Kelly Sutherland.

EXCHANGE NEWSLETTERS

The exchange newsletters and any other **Hand Out Material - Show Posters**, etc. are on a table along the side wall. Stop by, browse through the selection and take a few newsletters home with you to read. Many of the newsletters have interesting articles that are too long for us to reprint in our Journal. Please return the ones that are marked **Read and Return**.

MEMBERSHIP

Membership is open to all interested persons. Dues are for the **CALENDAR YEAR**, payable annually, prior to December 31st each year.

Adult	\$ 20.00
Adult Couple	\$ 25.00
Senior Citizen	\$ 18.00
Senior Couple	\$ 21.00
Junior (14-17 yrs.) *	* Student (18 & over)
* with Family Member	\$ 2.00
Junior or Student Individual	\$ 10.00
Pebble Pup with Family	\$ 2.00
Pebble Pup Sponsored	\$ 5.00

NAME TAGS \$ 3.00

DUES ARE SUBJECT TO CHANGE

MEMBERSHIP CHAIRMAN

Debbie Curle 698-6507
136 Martindale Blvd. NE
Calgary AB T3J 2X5

djcurle@shaw.ca

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Dot Mac Gowan

Dorothy MacGowan, a Charter Member of the Club, passed away Thursday, September 24 at the age of 88 years.

Dot, as she was known, was studying gemology when she met Larry Duncan and became interested in the formation of a club for those people who were interested in "rocks".

She and her family were involved in the many activities of the club. She was an expert in lapidary and in rock carving. She shared her knowledge and abilities with others. She and her husband organized and taught classes in lapidary at Kerby Centre for several years.

She entered displays of lapidary, carvings, collections at the show every year. She also demonstrated her collection of fluorescent minerals at the shows and at club meetings. The family went on field trips with the club and trips to other Rock Club Shows in western Canada and the United States.

Although she was unable to attend meeting in her later years because of infirmity and age, she always maintained an interest in the club and was present to cut the cake for the club's 50 th birthday last February.

She will be missed by all who knew her.

MEETING HIGHLIGHTS

To keep the **business** portion of the general meeting to a minimum and thus leave more time for the **program** and **coffee**, Minutes and Monthly Financial Statements will not be read but will be available at the Secretary's and Treasurer's position for any who want to read them in details.

Items not covered in **Committee Reports** will, of course, be reported in Meeting Highlights.

Gillian & Trudy

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MEMBERSHIP

Debbie Curl

We had another good meeting on Friday, October 9, 2009 membership-wise – several people came to see me and renew their membership. Sorry, if I may seem a little slow in helping each person, but there are a few things I have to do for each payment and things to record so that the payments balance at the end of the meeting – please be patient, I'm scribbling as fast as I can!

Thank you for all of you who have renewed. For the new member applicants who were at the meeting, Renata Bortolotto and Valerie Burns, I welcome you, and also, we have a returning new member applicant, Lloyd Weis.

A warm welcome to all the new members who were approved at our October Board Meeting - Carole Kerr, Alex and Michael Kuznetsov. We look forward to seeing you at our Potluck on the 24<sup>th</sup> of October, and getting to know you better.

I have put in an order for name tags for six people which should hopefully be here by the Potluck.

\* \* \* \*

PEBBLE PUPS

Alicia Hightower

Our October meeting went very well ! We looked at crystal shapes and formation. The pebble pups also got to take home a **Grown Your Own Crystal Kit**.

At the November meeting we will be looking at **Minerals** and in December we will be making **Rock Pets**, so think of some ideas.

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All That Glitters ---- Continuing with our Quizz

- A variety of corn - \_\_\_\_\_
- A large bird - \_\_\_\_\_
- A small bird - \_\_\_\_\_
- A tasty fish - \_\_\_\_\_
- A type of potato - \_\_\_\_\_

What might you find at the end of the rainbow? \_\_\_\_\_

What is another name for Pyrite? \_\_\_\_\_

What is another name for Oil? \_\_\_\_\_

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MY FRIEND MURPHY

A meeting is an event at which Minutes are kept and Hours are lost.

PRESIDENT'S MESSAGE

Eric Dahlberg

**WE NEED YOU !!!!!!!!**

As all of you are aware, one of the important features in our monthly Friday night General Meetings is the Presentation that concludes the meeting. These talks are meant to educate, inform, and entertain the members at the meetings. The Club has invested significant amounts of money to acquire computer and projection equipment to support these talks and make the show professional in quality but understandable to non-professionals so that everyone gets something useful out of the talk which usually varies from forty-five minutes to an hour.

When speakers aren't available we substitute with club-relevant CD shows, but we can do better! And we've had some truly outstanding oral presentations lately on such diverse subjects of interest as the Diavik Diamond Mines (mining and Canadian resource development) and the Frank Slide (structural geology, geological hazards and local history). But we need more!

We want and need to hear from our members on any subject of interest to our meeting attendees. Lapidary work, Methods and Ideas, Fossils and Paleontology, Mineral Occurrences, Field Trip and Collecting sites and results, Individual collections and Prize specimens and others to name a few potential subjects.

So please step up to the plate and offer us a talk! We're good for the rest of this year but 2010 is wide open. Do your duty as a CRLC member and participate in this important area. It'll be good for you, and good for our Club. Contact the Program Chairman (myself) at **403 287-2490**.

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FUND RAISING

Gerry Dilschneider

The November program is our **Annual Auction Night**. The rules and guidelines were in the October Journal. Please read them again so that there are no misunderstandings about how many and the type of items a member may bring.

We will have the hall open at 6:00 and should be set up to accept your items by 6:15. **All items to be auctioned should be booked in by 7:00** to allow viewing before the meeting starts at 7:30.

If you are planning on bidding, **come prepared with CASH .... small bills and coins**. It will make the cashiers job easier at the end.

**One High-Ticket item has been submitted:**

One Pro Demon Flat Lap by Crystalite c/w 5 flexodiscs  
6 new crystalpads, assortment of diamond compounds  
180 & 260 diamond lap. **min bid \$ 225.00**

**CRAFTY SATURDAY**

Nancy Pilling

**September 16**

Thanks to Eric Dahlberg for teaching 5 of us to successfully silversmith a **beautiful ring**. The Fish Pond Work Bees have started. Several members helped with this activity. Peter Meyer was busy flint knapping

**October 17**

The main event was **non soldered chain / wire jewelry**. **Pearl Broad** was kept busy helping each of the 6 students. Everyone finished a bracelet and some even made ear rings to match. We were pleased to have **Lynne Wheeler**, our member from Payson, AZ, join us for the day.

**Dave Biro** had his faceting machine set up, **Alice King** brought her scrimshaw, **Peter Meyer** was knapping arrowheads and **Lloyd Weis** had a selection of items for sale.

**November 28**

The main event will be **Metal Clay** with **Anna Maria Bortolotto**. This class is already **FULL** with 7 members already registered.

We will, however, continue with Fish Pond, Faceting, Flint Knapping, Scrimshaw and possibly Lapidary if someone is able to bring in a machine.

Please realize, everything we use at Crafty Saturday has to be brought in and then taken home. There is no additional storage space at the hall.

**Looking ahead - January 23, 2010**

Bernice Mathews has agreed to teach a carving class. Samples of her work and tools required will be on display at the November general meeting along with a sign-up sheet for those interested.

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**Social**

Carol Westley

At the December meeting we usually have extra treats to celebrate the festive season.

We will also continue with our annual collection of non-perishable food items including granola bars and fruit snacks for bag lunches. Toiletry items - razors, razor blades, shaving cream, soap, shampoo, tooth brushes, tooth paste, etc. as well as scarves, mitts, toques.

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**ANNUAL SHOW**

Bob Hightower

The 2010 show committee held its first meeting on September 29. We still need a **Co-Chairman**.

We also need a **Ticket Chairman** as Darek Nowicki will not be able to do it this year. This position is responsible for selling show tickets to the members at club meetings as well as co-ordinating volunteers to sell and take tickets the two days of the show. If you are interested in this position please feel free to contact me via e-mail or at the next meeting. We would be happy to have you join us on the committee. **<bhightower@shaw.ca>**

We will be providing brief recaps of the show committee meetings during regular club meetings. A **show budget** has been prepared and will be presented to the general membership for approval - probably at the November meeting. If you have any questions or suggestions, we would be happy to hear them. The more people we have involved in the show the better the show will be.

This is our **50 th SHOW !** A milestone for any club.

The theme will be **GOLDEN JUBILEE**. Keep that in mind when planning your show cases.

As mentioned last month, many of the present show committee members have been on the committee for more than 10 years. It's time some of the younger members stepped forward to learn what the show is all about, how it goes together and how everything gets put away after it is all over.

**Tickets** have been ordered and, with a little luck, we may have them by the December meeting. They make excellent Christmas Gifts.

**Posters** and **Book Marks** have also been ordered. We hope to have them in time for the November meeting. Be sure to pick some up. Include a poster or book mark with your Christmas Card to your family and friends. Even include one when you pay your bills. Carry a few book marks with you at all times and leave one wherever you go - hairdressers, barber shop, doctor, dentist, library.

**Exhibitor Forms** will be available at all meetings. You will also be able to download one from the club web site. Because this is our **50 th Show** we will be inviting previous members and award winners to put in show cases.

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**WHAT I DID LAST SUMMER**

John Smith-Jones

On the way to the Billings show we stopped to hunt for corundum, some star material in the dredge piles between Alder and Virginia City, east of Dillon Mt. I didn't find any but my friends found several crystals. Nearby south of the Ruby reservoir we collected "Wonderstone", banded rhyolite. After the show we joined the field trip for black and white banded agates at Bear canyon east of Warren Mt. In a later trip we collected agates in the Challis area of Idaho. We spent a couple of days each at Lime Creek off highway 93 and at Road Creek road on the east fork of the Salmon river.

I have a lot of very small nodules especially from the Bear Canyon trip that I am trying to figure out how to hold while I saw them. I tried cutting some holding them with my fingers on a trim saw, but the cuts were quite rough. Can you point me to the article you mentioned in the last Journal about cutting small stones. **Glue them to a block of wood. TM**

**Mineral of the Month****By Holger Hartmaier**

Starting this month, (at Trudy's suggestion) I will write a "Mineral of the Month" column for the Journal. In the months leading up to the Club's 50<sup>th</sup> annual show in 2010, the Mineral of the Month column will highlight gold and gold bearing minerals to commemorate our Golden Jubilee.

**Gold**

Chemical formula: Au

Crystal description: Cubic- hexoctahedral

Physical Properties:

- Colour- rich yellow to silvery yellow
- Luster- metallic
- Hardness- 2.5 to 3
- Specific Gravity- 19.3

Gold is a metallic element. Finding any kind of metallic element in nature is rare. Finding gold is an elusive quest that has occupied man since the dawn of time. Although rare, gold may be found in many parts of the world.

The physical properties of gold that distinguish it from other metals are its inertness and great density. Pure gold is insoluble in acids, except for "aqua regia," a mixture of nitric and hydrochloric acids. Its rich yellow colour is unmistakable. Paler yellow gold contains some silver. The paler the gold, the higher the silver content. A mixture of gold and silver is sometimes called **electrum**.

Collectors are sometimes fooled by other gold coloured minerals. Flakes of amber mica are sometimes found in stream sediments and have a golden sheen. Pyrite, also called "fools gold" may occur as veins or scattered grains in rock.

To check if a yellow coloured mineral is gold, use a sharp, pointed needle to test the mineral. If the mineral is soft and malleable, it is gold. The mica plates are easily crushed under the point of the needle. Pyrite is hard and brittle and will crumble when poked with a needle. Pyrite also leaves a black streak on a streak plate, whereas gold will leave a streak of gold metal. If heated under a blowpipe flame, gold will melt into a malleable gold button.

Host rocks for primary gold occurrences are typically igneous in origin including intrusive and extrusive varieties. Gold may be concentrated in quartz veins and sulphide deposits, where it is associated with other ores, such as copper. In most gold mines, the gold content is so finely divided as to be invisible. Therefore any specimen containing visible gold is considered to be a rich specimen. Ironically, many economical gold deposits consist of massive pyrite, with finely divided gold content within it. Imagine- some fool's gold may actually have gold in it!!

Gold's inertness to chemical attack protects it from weathering at the earth's surface. Weathering of the surrounding host rocks liberates the gold. Streams carry the gold flakes along with the grains of sediment composed of the weathered host rock. Because of gold's high density, it is quickly concentrated within the

river channel by water action. Concentrated deposits of gold formed by water transport are called **placer deposits**.

Placer gold (i.e. gold nuggets) may be recovered by panning or large scale mining operations where the river gravels are washed over a sluice to separate the gold from the sediment. Gold nuggets typically are rounded in shape, having no crystal faces. The further the gold has travelled, the more rounded it will be in appearance. Nuggets that still show angular, crystal faces have not travelled far from their source.

Collectors seeking gold specimens usually have to purchase them from dealers, or by trade from other collectors. As far as the common rockhound is concerned, field collecting gold specimens is practically impossible. Any surface outcrop producing visible gold specimens is typically not open to public collecting. It would either be held under a mining exploration claim or be part of an active mining operation. Some mining companies, having particularly rich gold ore, have openly sold specimens to the collector market. Many placer operators sell gold nuggets directly to jewelers or collectors as well.

Typically the selling price for gold specimens is many multiples of the going price per ounce for gold (currently at around \$US 1050/troy oz) depending on factors such as degree of crystal development and aesthetics.

Purchasers of gold specimens should be aware that mining companies treat theft of specimens from their operations seriously. One rich hand specimen contains enough gold to pay the mining costs for extracting many thousands of pounds of ore. Illegally collected specimens are still the property of the mining company and there are many cases where unsuspecting collectors have had specimens seized by law enforcement officials.

Canadian gold mines that have produced rich, collectable native gold specimens include the Red Lake mining district of northwestern Ontario, the Porcupine mining district near Timmins. Worldwide, beautiful specimens from the USA have come from California, Colorado and Oregon. Overseas localities include Central and South America, Africa, Australia and Hungary. In Canada, the three major placer gold districts are the Klondike in Yukon Territory, and the Atlin and Cariboo in British Columbia.

**Interesting Facts:**

According to the World Gold Council, all the gold ever mined is estimated (to 2006) to be 158,000 tonnes. This equates to a cube with an edge length of just 20.2 metres. Most of this material is still in use in some form mainly as gold bullion, currency, dentistry and electronics. Gold is the most malleable of all metals. A single gram can be beaten into a sheet 1 metre square. An ounce of gold can cover 300 square feet. As the price per ounce of gold increases, more deposits of low grade gold become economical to mine, satisfying the timeless demand for this precious metal.

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### ALBERTA FEDERATION OF ROCK CLUBS

The AFRC Directors meet 4 times a year - September, December, March and May. The meetings are now held in Calgary. The May meeting is the Annual Meeting -

**May Dazes** - and is a full weekend of activity. The May meeting moves around the province as different clubs take turns hosting this event.

The **2010 May Dazes** will be hosted by the **Lacombe Handicraft Guild**. There will be field trips, good food, and a live auction, plus the annual general meeting on the Sunday. Dates are May 21, 22, 23 -- plan to attend!

#### AFRC AUCTION

The Saturday Auction is the highlight of the weekend. This is the main fund raiser for the AFRC. Please be generous - your **duplicates** not your **discards**.



### GEM & MINERAL FEDERATION OF CANADA

## 2010 SHOW

#### Huge Rock & Gem Show

Sponsored by

The Gem & Mineral Federation of Canada  
and

Campbell River Ripple Rock & Gem Mineral Club

**Saturday, June 12, 2010 10 am - 5 pm**

**Sunday, June 13, 2010 10 am - 4 pm**

Timberline School Gymnasium

1681 South Dogwood Street

**Campbell River, BC**

More details as they become available.

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### CANADIAN PERSPECTIVE:

#### The termite's role as exploration driller

*By: Marilyn Scales*

Termites, those destructive creatures feared by North American homeowners, play an important role in mineral exploration. By disturbing the local ground and piling the excavated material into mounds, these ambitious insects can create stacks of fine-grained material as tall as nine metres. The mounds provide a ready source of material suitable for geochemical analysis.

**Merrex Gold** of Halifax has taken advantage of the termites' ready-made sample material to study a 10-km strike length at the Siribaya mega-structure in West Mali, Africa. The company says that geochemical testing of the mound material has identified new anomalous gold zones that were unidentified during earlier surface sampling. The mound samples also confirmed previous surface geochemical survey results and earlier drilling results.

The Siribaya project is highly prospective, according to Merrex. The company struck a deal with **lamGold** in October 2008 whereby lamGold can earn a 50% interest in the property by providing \$10.5 million over four years of exploration expenses. Merrex will be the operator for two years or until lamGold's investment reaches \$5.5 million. A joint management committee has been created.

"Merrex is new to using termite mounds," president and CEO Greg Isenor told *CMJ*, "but other companies have been testing them for a long time."

Some of the mound assays have been "spectacular", but he was reluctant to mention grades until the targets have been drilled and a new resource estimate compiled.

How handy to have a drilling crew of termites. Unlike a mechanical rig, they don't malfunction or need maintenance downtime. Unlike human crews, they don't stop working at mealtimes or for rest. And, if our readers will pardon the pun, they work "dirt" cheap.

I'm sure some researcher somewhere is working on nanobots that might do the same thing as a termite colony. But why reinvent the wheel?

Explorationists are far smarter to take advantage of the hardworking termite.

Sent in by Holger Hartmaier.

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#### Answers to Quiz

Golden Bantom, Golden Eagle, Goldfinch, Goldeye, Yukon Gold, Pot of Gold, Fools Gold, Black Gold.

How many did you get write ?



**ATTENTION  
ALL EDITORS**

**ANNUAL SCRIBE Meeting  
and  
EDITORS GET - TO - GETHER**

**Saturday, 23 January 2010 09:00 to noon**  
Senior Citizen's Centre, moon Mountain Road

**QUARTZSITE, ARIZONA**

What every editor needs  
Hints, Tips, Handouts, CD's, Prizes  
**plus**  
Coffee, Donuts and Friendly Faces !  
**What more could you ask for?**



**BC GEM SHOW**

**APRIL 9, 10, 11, 2010**  
**Club & Special Displays  
Demonstrations, Dealers**

Children's Creative Workshop,  
Grab Bags, Spin & Win

**Adults - \$6.00 Students 6-17 \$2.00**  
**Under 6 (accompanied by an adult) Free**

AG-REC BLDG. CFV FAIRGROUNDS  
32470 Haida Drive, ABBOTSFORD, BC

For more information, check out their web site  
<http://www.lapidary.bc.ca/gemshow.html>

**Show Chairman**

Cam Bacon 604 - 854 -1711  
Showchairman@yahoo.com

**CRLC COMING EVENTS**

- |                     |                                 |                |
|---------------------|---------------------------------|----------------|
| <b>Tue. Nov.10</b>  | Board of Directors              | <b>7:30 pm</b> |
| <b>Fri. Nov. 13</b> | General Meeting - Auction Night |                |
| <b>Tue. Nov. 24</b> | Show Committee                  | <b>7:30 pm</b> |
| <b>Sat. Nov. 28</b> | Crafty Saturday @ the Hall      |                |
| <b>Tue. Dec. 8</b>  | Board of Directors              | <b>7:30 pm</b> |
| <b>Fri. Dec. 11</b> | General Meeting                 | <b>7:30 pm</b> |

**Donations for our Christmas Charity  
The Mustard Seed Ministry**

Non-perishable Food Items, Mitts, Scarves, Toques,  
Bus Tickets, Toiletries, etc.

**CALGARY ROCK & LAPIDARY CLUB  
50th ANNUAL  
GEM, MINERAL & FOSSIL  
SHOW**



**GOLDEN JUBILEE**

Saturday, May 1, 2010 9 AM - 6 PM  
Sunday, May 2, 2010 10 AM - 5 PM

**West Hillhurst Arena, 1940 - 6 Ave NW, Calgary**

**Dealers, Demonstrations, Displays,  
Fish Pond, Silent Auction, Information**

There is only room for 64 show cases.  
Be sure to pick up and fill in your exhibitor form early.

**Guest Participants will be:**

- The Alberta Palaeontological Society
- The Archaeological Society of Alberta
- The Calgary Faceters Guild

**BOW CLIFF SENIORS**

**CRAFT SALE  
SATURDAY  
5 DECEMBER 2009  
10 am to 4 PM**



There will be a wide variety of crafts  
rugs, needlework, cards, tree  
decorations, baked goods, jewellery and lapidary items  
tea, coffee & soda for sale.

There will also be demonstrations of the various crafts.

**Mark the date on your calendar.**

**Get an early start on your Christmas Shopping**

**Golden Rock & Fossil Club  
2009 Silversmithing Classes**

**BEGINNER: November 14 & 15 9 am - 4:30 pm**  
**ADVANCED: November 28 & 29 9 am - 4:30 pm**

College of the Rockies, 1305 - 9 Street S. Golden, BC

Cost runs around \$100.00

Call Becky 1-250-344-2010 to register

**WIT & WISDOM**

**It's not the days in your life, it's the life in your days that counts.**

## ITEMS FOR SALE

### Lapidary Equipment

Lortone **LU 6X** combo machine &  
Accessories--- **\$ 175**

Wax Pen, Kerr ---- **\$ 30**

Electric Soldering Machine ----- **\$ 75**

Jewellers Torch - propane/oxy,meco --- **\$250**

Gold, Rhodium Plating Kit

lots of solution ----- **\$ 75**

Power Supply ----- **\$ 25**

approx 200 lbs dino bone & pet wood,  
Alberta Badlands --- **\$200**

some rough rock, some slices, opal rough,  
sapphire rough,

assorted small hand tools, some lapidary,  
some jewellery repair.

assorted Rock n Gem , Lapidary Journals,  
**\$1 each**

assorted rockhounding books --- offers

### Gemology

3 microscopes, **1 @ \$15 , 1 @\$25 ,1@\$175**

Ceres Diamond Probe **\$ 200**

Hamilton Scale --- **\$ 15**

Leveridge Gauge ---- **\$ 35**

Gem Duplex Refractometer ---- **\$ 75**

Gem Polariscope ---- **\$ 60**

Dicroscope, hand held ---- **\$ 20**

Specific Gravity Set ---- **\$ 15**

Chelsea Color Filter ---- **\$ 10**

also quantity of jewellery display items.

Elmer Fagyas 403-337-3798

**fagyase@telus.net**

626 - 11 Ave South

**CARSTAIRS AB**

**Please phone ahead to make sure I will be  
home before you drive out.**

**Thank You.**

## THE ROCK SHOW

### EARTH SCIENCES

TABLE SALES AND ORDERS

Rough, Slabs, & Finished Stones

Minerals, Fossils & Findings

**SUNDAYS: 7 am - 2 pm**

**Hillhurst - Sunnyside Market**

**1320 - 5 Avenue NW, Calgary  
(west hall)**

**Peter Meyer 403-289-4135**



## EARTH GEMS

### Crystals & Minerals

Minerals | Fossils | Jewellery | Beads |  
Carvings|

Tumbled Stones | Salt Lamps  
and much more ...

**THE BEST SELECTION OF MINERALS  
IN WESTERN CANADA**

Monday - Saturday : 10am-7pm

Sunday : Noon -5pm

1022-17Ave S.W. (2nd floor)

Calgary, AB – T2T 0B4

Phone: (403) 244 – 5027

**<earthgems@live.ca>**

**www.earthgems.ca**

A new shipment direct from Madagascar has  
just arrived!