



CALGARY LAPIDARY JOURNAL

VOL. 45 NO. 4

May 2009

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CLUB MAILING ADDRESS

110 Lissington Drive SW
Calgary AB T3E 5E3

www.crlc.ca



MAY MEETING

Friday 8 MAY 2009 7:30 pm

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

BUSINESS ANNUAL ELECTIONS

Year End Financial Report
Show Committee Report

PEBBLE PUPS Scavenge Hunt

REFRESHMENTS Coffee, Tea and Juice available



JUNE MEETING

Friday 12 JUNE 2009 7:30 pm

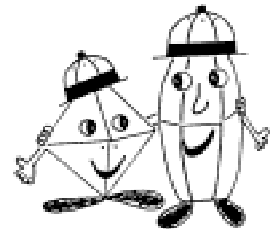
PROGRAM Holger Hartmaier
Mineral Identification

PEBBLE PUPS Treasure Dig

REFRESHMENTS Coffee, Tea, Juice



MOTHER'S DAY



HAPPY FATHER'S DAY

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CALGARY ROCK & LAPIDARY CLUB
<http://www.crlc.ca>

MEMBER OF

ALBERTA FEDERATION OF ROCK CLUBS

GEM & MINERAL FEDERATION OF CANADA



THE CALGARY LAPIDARY JOURNAL

MAY 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 Shop & Swap or Sale Advertisements.

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

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
# Pebble Pup (up to 14)	\$ 2.00
# Junior (14 to 17)	\$ 2.00
# Full Time Student (18+)	\$ 2.00
# Sponsored P.Pup or Jr.	
Without Journal	\$ 5.00
With Journal	\$ 10.00
# With Adult Membership	
Junior or Student Individual	\$ 10.00
NAME TAGS	\$ 3.00
Order from Membership Chairman	

DUES ARE SUBJECT TO CHANGE

MEMBERSHIP CHAIRMAN
Debbie Curle 698-6507
136 Martindale Blvd. NE
Calgary AB T3J 2X5
djcurle@shaw.ca

PUBLIC RELATIONS

Trudy Martin

MEET & GREET

The Meet & Greet table is the best place to be at a meeting. You get to talk to everyone as they come through the line up and sign in. It would be helpful if members wore their name tags. Please sign in when you arrive. Often, a few members sign in during the coffee break and by then the door prize numbers have already been drawn.

DOOR PRIZES

We generally have 4 door prizes each meeting - 2 for adults and 2 for Pebble Pups. Donations of items suitable for door prizes are always welcome. Sorry, in the rush of packing up at the last meeting. I didn't write down who last month's winners were.

EXCHANGE NEWSLETTERS

Newsletters, show posters and other announcements set out on the table at the side of the hall. Be sure to stop and browse through them. Take a few newsletters home to read. There are a lot of excellent articles, with and without pictures, that are too long to repeat in our Journal.

There are two new books being published. One by the APS, **A Guide to Common Vertebrate Fossils from the Cretaceous of Alberta**, and the other by University of Calgary Press, **Identification Guide to the Fossil Plants of the Horseshoe Canyon Formation of Drumheller, Alberta**. Information on both books will be at the side table.

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MEMBERSHIP

Debbie Curle

2009 Membership List

Copies of the membership list may be picked up at the meetings. We no longer include it with the Journal. A limited number of lists will be available, **for members only**, at the show.

Please keep us notified of any changes in your address (regular mail or e-mail) or telephone number so we can keep the list up to date.

NAME TAGS

New members - have you ordered your name tag yet?
Old members - have you lost your name tag and need a new one? We have a new source of supply. The new name tags are very attractive and the price is still **\$ 3.00**.

MEMBERSHIP CARDS

Please **keep** your membership card. When you pay your dues next year, I will date stamp it on the back. When the back of the card is filled, then you can get a new one.

MEMBERSHIP COUNT

When we did the membership count to pay our AFRC / GMFC dues for 2009, these are the totals:

46 Families, 69 Adults, = \$540.50

Which breaks down to:

87 Adults, 66 Seniors,

18 Pebble Pups, 2 Juniors, 2 Student = 175 bodies

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President's Message**Eric Dahlberg****ELECTIONS AT THE MAY MEETING**

Once the show is over on May 3rd, the next big event on the Club's calendar is the electing of next year's officers by the members. So, if you are interested in running for a position on the executive, or nominating some specific person for a particular position, be sure to attend this very important meeting on May 8.

To get the ball rolling, and give individuals time to think about just what they want to do, I am nominating / proposing the following people to serve the CRLC in the 2009 -2010 year.

Executive - 1 year term

President: Ehren Rebmann
 Vice Pres: Kelly Jackson
 Secretary: Gillian Macartney

Executive - 2 year term

Treasurer: Sean Dooley

Directors - 2 year term

Field Trips: Darek Nowicki
 Fund Raising: Gerry Dilschneider
 Parliamentarian: Trudy Martin
 Public Relations: Lorna Hightower
 Social: **Open**

Directors - 1 year term

Annual Show: Arjo Dur
 Programs: Eric Dahlberg
 Pebble Pups: **Open**

Directors with still 1 more year to serve

Membership: Debbie Curle
 Study Groups: Nancy Pilling
 Custodian: Lorne Alcock

Appointed Positions

Librarian: Mike O'Toole
 Editor: Trudy Martin

AFRC Directors

Lavern Novlan
 Irene Novlan
 Ehren Rebmann
 Mike O'Toole

So, PLEASE show up at our next meeting to express your confidence in these individuals or to propose additional people. A club such as ours is only as dynamic and viable as the individuals who direct its programs and activities. We have a lot going on and next year could bring some major developments such as the acquisition of some permanent training space in which to set up the club's languishing lapidary equipment. We'll need people with the "right stuff" to keep things moving so come out May 8, and see that we get them!

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Meeting Programs**Last Month**

Since few of us will ever have the opportunity to travel to the Northwest Territories, the program presentation by Sean Dooley with "Views of the Construction and Development of the Diavik Diamond Mine in the Northwest Territory" **was extremely interesting and informative.** Did you notice the picture of Sean standing in front of one of the BIG TRUCKS - he was dwarfed by the size of the truck tire !

This Month

May is a busy month for Club Business - the Annual Elections as well as a brief report on how things went at the show. There may be time for a 'short' program - if not, we'll just have a longer coffee break.

Next Month

Holger Harmaier is on deck to do the June program - **Mineral Identification.** For those of you who missed his presentation at the April Crafty Saturday, this will be your chance to learn something new.

July and August

There are no regular meetings in July and August but there are some Field Trips planned as well as several shows to go to. We hope to have a large group from Calgary going down to the Northwest Federation / American Federation Show in Billings, Montana. See Darek Nowicki for more information on this.

September

It's back to **Business as Usual** in September with the first Board of Directors Meeting on September 8 and the General Meeting on September 11. Please mark both dates on your calendar as there is **No Journal prior to the September meeting.**

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Pebble Pups

The May program for the Pebble Pups will be a **Scavenger Hunt.** This is an outdoor activity so the children should dress for the weather.

The June program will be a **Treasure Dig.** Again, this is an outdoor activity. Children should bring small plastic shovels, strainers, etc. to dig through the sand and find the treasures.

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Library

Check out the library list on the club web site. If there is a book or a video you would like to look at, e-mail Mike O'Toole mike.otoole@shaw.ca and he will bring it to the next meeting. Make sure you are at the meeting, too. Mike doesn't want to bring a book or video for you and then have to take it back because you weren't there.

Mike also tries to attend the Crafty Saturdays and brings books for members to browse through.

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**AFRC MAY DAZE 2009
COME ONE, COME ALL!!
MAY 15, 16, 17, 2009**

LOCATION: East Coulee, Alberta

HOSTED BY: Calgary Rock & Lapidary Club

Friday, May 15

Early Afternoon Hall set up
4:30-6:30 PM BBQ Fund-raiser

Saturday, May 16

10:00 AM Tour or Field Trip
2:00 PM Demonstrations at the hall.
Faceting with Dave Biro,
Wire Wrapping with Ed Zeschuk.
5:00 PM **Pot Luck Supper**
6:00 PM **AFRC Auction Sale**

This is the highlight of the weekend. The bidding is fast and the bargains are great. A donation box is set out at each club meeting for you to drop your donations in. Remember, this is AFRC's main fund raising venture.

Sunday, May 17

08:00 - 09:00 **Pancake Breakfast**
10:00 AM **AFRC ANNUAL MEETING**
12:00 Noon Pot Luck Lunch
1:30 - 2:30 PM Tailgate - sale and swap
3:00 PM Hall Clean Up

This is a great fun weekend event. Plan to come. Get to meet the other rockhounds from the other Alberta Clubs.

Special Announcements

No open fires or fire pits.

Pot Luck Supper - everyone to bring a prepared dish plus their own cutlery, plates and an appetite

PROPOSED FIELD TRIPS FOR 2009

Some of these trips are **suggestions** only. It will depend on how many members are interested in going before a firm date can be set.

Please read through the proposed list and let us know which trips you are interested in. Then we can plan.

FRIDAY, JUNE 19 or JUNE 26

Lethbridge / Medicine Hat Indian Reserve
Ammonite Mine

AUGUST 1 - 4

Big Horn Canyon, Montana, USA
Dryhead Agate

Dates still have to be selected for the following:

Willow Creek, AB south of Chain Lakes
Selenite (gypsum) crystals

CAMPING

No power available in the parking lot or you can make arrangements at camping facilities.

Hoo Doo RV Resort & Campground 1-403-823-2970
Rosedale Community Campground 1-403-823-7441

HOTEL

Drumheller Travel Lodge 1-403-932-5588

6 rooms have been pre-booked. Reservations need to be made before May 1, 2009. Booking is in the name of Kelly Jackson, Calgary Rock & Lapidary

FIELD TRIPS - SATURDAY, MAY 16

Sign Up Sheets were at the April Meeting.

Cut off date to sign up is May 1 st

If you are planning on taking in the weekend activities, it is IMPORTANT that you sign up NOW so proper arrangements can be made. The museums and the mine want to know whether to prepare for 5 or 50 people!

Hand Hills Agate - Peter Meyer as leader.

Royal Tyrrell Museum 1-403-823-7707

15 or more people can get a group rate of 20% off. Requires 3 days notice. Sign Up Sheets were at the April meeting. Cut off date - May 1 st.

Atlas Coal Mine 1- 403-822-2220

ADMISSION: \$7.00 per person, \$21.00 per family.
\$4.50 Triple Tours - climb the tippie, ride in coal car, explore wash house, mine tour.

\$4.50 Mine Geology Hike - explore mine entrance #3

East Coulee Museum 1- 403-822-3970

Adults \$ 5.00, Seniors \$ 4.00

Dinosaur & Fossil Museum 1- 403-823-2593

Home of the **Larry Duncan Collection**. Fee schedule unknown at this time. Their web site states they are not open until May 1 st.

Red Deer River, AB near Joffre Bridge

Gold Panning and Sluicing

North Saskatchewan River near Edmonton

Gold Panning and Sluicing

Canmore Mines, AB

Plant Fossils

Campbell Ranch, Medicine River, AB west of Rimbey

Artifacts, Tufa Fossils

SW Volcanics, AB north & south of Crowsnest Pass

Garnet, Feldspar, Pyrite, Magnetite

Hand Hills, AB NE of Drumheller near Delia

Agate, Petrified Wood, Jasper, Quartz.

Calcite, Fossils, Artifacts

Darek Nowicki <darekn@shaw.ca> 241-0327

Cameron Lee <olilyl@telus.net> 242-3421

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FIELD TRIP SEASON

KNOW YOUR ROCKS

Leaverite: Also known as Dropite, Junkite and Crudite. This type of rock should be discarded immediately. It constitutes 90% of most rocks. This includes Sourgrape Agate and Mutilated Quartz.

Sack Rock: This is material that is stuffed into a sack but fall from the top as the bearer struggles back to the car. If taken home, it will be tossed into a corner and forgotten.

Wonder Rock: You always wonder why you brought it home, and where you found it.

Braggin' Rock: Also called Pocket or Eating Rock. This material is licked, rubbed, spit upon and fondled until it assume a near polish and is frequently passed around for admiration.

@#%&+ Rock: A large heavy, possibly angular rock that falls on your foot as soon as you have removed your hiking boots.

From - Gem Time 06 / 98
Via - MWF Newsletter 12 / 02

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ROCKHOUND RIDDLES

1. Name a likable rock.
2. What mineral is always hungry ?
3. How do geologists measure water?
4. What should all geologists know?
5. What mineral catches thieves?
6. What is an opening in a fence?
7. How do you keep a boat from drifting?
8. What vegetable is used to weigh gemstones?
9. Where does a skeleton sleep?
10. Name a citrus rock.
11. What is a teenage snake?
12. A through F paid. What about G?

Answers on Page 4.

From Fossil Trails - 10 / 96

WHAT'S IN A NAME ?

Ever wonder about the differences between an agate, a geode or a thunderegg? Although similar in origin, there are important variations in the final form of each.

Agates form by fluids moving into the vesicular cavities formed by gas escaping in lava and precipitating chalcedonic quartz. Usually temperatures are around 100 Celsius or less.

Geodes (cavities lined with quartz crystals) form from a vapor phase, also at low temperatures.

Thundereggs are round nodular bodies formed from spherulites in silica-rich lavas and ash flows, like rhyolites and dacites. They never occur in basalts. They have fillings of star-like cavities which may form by gas expansion as the volcanic rock cools.

Filled cavities are called amygdules and, besides quartz, may contain calcite, zeolites, chlorite, native copper and silver, etc.

From - Pebble Press 02 / 95

HINTS & TIPS

FOR THE SILVERSMITHS

The success of the final polish on silver depends on the number of buffing wheel threads - not the amount of rouge used. A cheaper buff will not give the same results as a quality one.

Plain old-fashioned whiting moistened with ammonia water makes an excellent agent for polishing tarnished silver. Wipe the paste on; allow it to dry; then rub with a piece of lemon. Wash and dry thoroughly. The silver will stay brighter longer than with ordinary cleansing.

To rub smooth the high points of a gold article, use sodium bicarbonate with a minimum of water.

To antique silver jewelry, paint the pieces to be darkened with raw egg yolk. Rinse off the egg and rub highlights with Linde A.

Glue your pattern on the silver with rubber cement. It removes easily.

Bon Ami applied with a toothbrush will give a satin finish.

One of the most useful and versatile tools on your workbench should be the orangewood stick. This tool is sold for the purpose of working on cuticles and is available in all cosmetic departments. The orangewood

stick is soft enough not to mar gold or silver, yet is hard enough to use as a pushing tool in setting prongs. It will not scratch gems and will reach into impossible places.

From The Lodestar - 11 / 92

ANSWERS TO RIDDLE

- | | |
|-----------------|-----------------|
| 1. Gneiss | 2. Apatite |
| 3. With Quartz | 4. Their Faults |
| 5. Copper | 6. Agate |
| 7. Ankerite | 8. Caret |
| 9. In a Bonebed | 10. Limestone |
| 11. Serpentine | 12. Geode |

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BAKING SODA IN THE FIELD

Here are some reason you will be glad you took a box of natural soda along on your field trip.

1. Insect bites, minor burns, poison oak - add water to make a paste and apply to affected area.
2. Sunburn, windburn and prickly heat - and ¼ cup to a basin of water and bathe or sponge on.
3. Acid indigestion - add 1/d teaspoon to a ½ glass of water and drink slowly.
4. Tired feet - add 3 tablespoons to a basin of warm water and soak.
5. Tooth cleanser and breath freshener - use as much as needed on moist toothbrush.
6. Hand and fingernail cleaner - rub dry on moistened hands to remove pine pitch, odors or grease.
7. Fire extinguisher - for grease fire, throw a boxfull at the base of the fire.
8. Freshening camp coolers and thermos jugs - add 2 teaspoons and partly fill with water. Shake and rinse.
9. Deodorant - sprinkle some inside your boots or hiking shoes.
10. Safe, natural cleaner for camp dishes and pans - add 3 tablespoons to a pan of warm water and soak.
11. Cleaning a dirty, bug spattered windshields, chrome and camper frames - rub damp sponge sprinkled with baking soda.
12. Freshening RV water tanks - flush with a solution of ¼ cup of soda and 1 gallon of water. Rinse with clear water.

From Quarry Quips 05 / 05
Via The Rockcollector 10 / 05

BOW CLIFF SENIORS

Spruce Cliff Community Centre
608 Poplar Road SW, Calgary
246-0390



WEEKLY DROP IN EVENTS

- Mondays:** Craft Group - Jam Session & Dance
Tuesdays: Sing-a-Long Choir, Afternoon Bridge
Wednesdays: Weekly Luncheon, Bingo / Movie / Cribbage
Thursdays: Evening Cribbage or Bridge
Fridays: Rhythm Band, Duplicate Bridge

Check out the bulletin board at the hall for more details on these events.

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MY FRIEND MURPHY

If anything can go wrong, it will.
 Two wrongs are only the beginning.
 Confusion not only reigns, it pours!
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COMING EVENTS

BE SURE TO MARK THEM ON YOUR CALENDAR



- | | | |
|--------------------|----------------------------|-------------|
| May 5 | Board of Directors Meeting | 7:30 |
| May 8 | CRLC General Meeting | |
| | Annual Elections - | 7:30 |
| May 12 | Show Committee Meeting | |
| May 15 - 17 | MAY DAZE WEEKEND | |
| | AFRC Annual Meeting | |
| Jun 9 | Board of Directors Meeting | 7:30 |
| Jun 13 | CRLC General Meeting | |
| | 7:30 | |

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Your Editor
 Typing the last page of the
 May Journal

THE ROCK SHOW - EARTH SCIENCES

TABLE SALES AND ORDERS

Cabbing & Tumbling Rough, Slabs, Fossils,
Minerals, Finding, Finished Jewellery,
Estates and Consignments

SUNDAYS: 7 am - 2 pm

**Hillhurst - Sunnyside Market
1320 - 5 Avenue NW, Calgary AB
(small west gym)**

10% discount to GMFC Members

Peter Meyer 403-289-4135

SILVER COVE JEWELRY

**IS PROUD TO ANNOUNCE THE OPENING OF
THEIR STORE LOCATION IN LACOMBE,
ALBERTA!**

**LOCATION: LACOMBE CENTRE MALL
5230 - 45 Street Lacombe Alberta
Opening Date: May 2009**

The new store will feature 1100 square feet of space, including a fully operational workshop & a UV Room for fluorescent minerals!

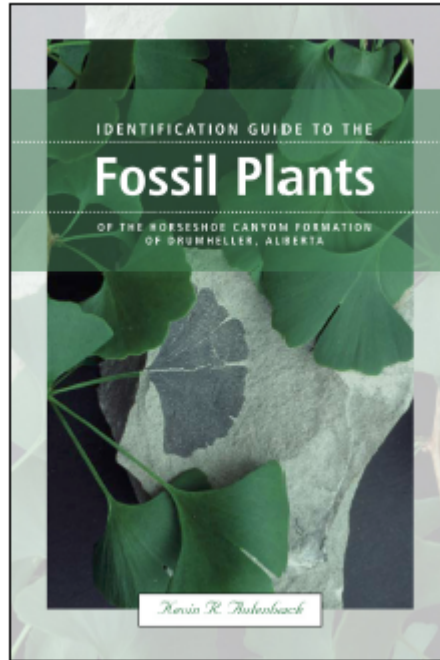
This location will become a hub for the Central Alberta Stone Community; with everything for the average rockhound to enjoy!

Loose Gemstones, Finished Jewelry, Fossils, Stone Specimens, Carvings, Raw Lapidary Rock, Rock Tumblers & Grit, Tumbling Stone, Custom Cut Stones & Settings, Jewelry Boxes, Tools for creating your own Jewelry, Sterling Silver Wire, 14K Rolled Gold Wire, Lapidary Saws and Equipment, Findings, Temporary Bead Strands

Our Store will also be offering future classes on various aspects of the jewelry trade including: Chain Mail, Wire Wrapping, Stone Cutting & Polishing, Paverpol, Beading, and much more
!!!!!!!!!!!!

Chris & Melissa Robak
403-596-5724

www.silvercove.bizland.com



978-1-55238-247-9

**Identification
Guide to the
Fossil Plants of
the Horseshoe
Canyon
Formation
of Drumheller,
Alberta
by Kevin
Aulenback**

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**The Alberta Palaeontological Society Proudly
Present**

**Guide to Common
Vertebrate Fossils
from the
Cretaceous of Alberta**



A guide to common vertebrate fossils from the cretaceous of Alberta. Assembled by Hope Johnson; Forword by Dr. Donald Brinkman, Director of {reservation and Research, Royal Tyrrell Museum of Palaeontology

Spiral bound with 234 pages; 144 illustrations. photographs and tables.

This guide is a must for any amateur and professional palaeontologist.

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