



THE TELEPHONE CITY CRYSTAL

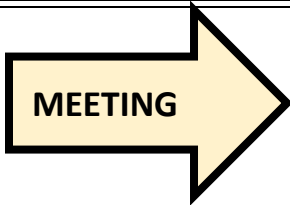


BRANTFORD LAPIDARY & MINERAL SOCIETY



Happy Valentines Day

February 2019
VOLUME 91 Issue 1



DATE: Friday, February 15, 2019
TIME: 7:30 pm
LOCATION: TB COSTAIN/S.C. JOHNSON COMMUNITY CENTER, 16 MORRELL ST. BRANTFORD, ON

PROGRAM SPEAKER: George Lavorato
TOPIC: Mosaics

George will be talking about the use of stone in Mosaics and how this has been applied to art & decorations. George will start with prehistoric references about 100,000 BC bringing it into the neo-lithic and then the great cultures of Egypt Greece and Rome. He will discuss how Mosaics is a permanent art form. He will talk of the Renaissance where the art form of Commesso was developed by the Medici. He will compare the Indian/Moghul and Byzantine forms and style. He will discuss how marble developed into a decorative industry. George will mention how technology with computers and water abrasive cutting technologies have made Stone Art Pietra Dura available to all, although it is quite expensive. Finally, George will talk about Pebble Mosaics as Stone Art that can be created at home or as part of a Community Project.

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Letter and Notice of Motion

November 7, 2018

Brantford Lapidary and Mineral Society cc BLMS Membership Executive

Please consider the following notice of motion for approval at a BLMS general meeting or annual general meeting.

Notice of Motion

Our motion is “to limit the release of Society funds without BLMS membership acceptance at a general monthly meeting if the single expense will exceed 5 thousand dollars (\$5,000). This shall include expenditures for the following: workshop annual rental or workshop equipment or workshop expenses (i.e. utilities), annual show rental or Society donations or any functions associated with the Societies general operations.”

If the motion is accepted, we request that it is included in the bylaw Articles at the next constitution and bylaw revision.

Thank you for your consideration

Roger and Kathy Campbell



Valentine's Day Is Coming Soon.

Come to our Workshop and make a Cabochon or polish a semi-precious gem or mineral for your special someone! Please refer to page 3 of the Workshop Section of this Newsletter for the Workshop hours.

BLMS INFO



**SOME MEMBERS
HAVE NOT
RENEWED THEIR
BL&MS
MEMBERSHIP for
2019!!**

Please check your BL&MS Membership cards Expiry date!!

The new BL&MS membership cards are Valid until December 31, 2019. Joan Campbell will be accepting 2019 BL&MS Membership Renewals and New Memberships at the February 18 2019 BL&MS Monthly Meeting. Please pay by CASH or CHEQUE.

You can also renew your BL&MS membership at the Workshop or by mail. **You need a current 2019 BL&MS membership to use the Workshop.** NOTE: If paying by cash at the Workshop please bring the exact change.

NOTICE: 2019 BL&MS MEMBERSHIP FEES HAVE GONE UP: SINGLE \$20.00 FAMILY \$25.00

VOLUNTEERS NEEDED - MESSAGE FROM ROBERT PARRY REGARDING THE 2019 PARIS GEM & MINERAL SHOW

Well it is almost that time of the year again when we have to start preparing for the 2019 Show. This is the big money maker for the club. It is more important this year to have a successful show as the profits are needed to financially support the "workshop":

To make it all work, we need volunteers. There are many jobs to fill, so please consider signing up to help with the jobs listed below. The sign-up sheets will be available at the February meeting and every meeting until the show.

VOLUNTEER REQUIREMENTS:

- **Admission Table** – to collect money and make change at the door. Need a minimum of a two-hour stint.
- **Auction Table** – to help organize and put out items for the silent auction during the show.
- **Club Table** – to hand out info about the "club" to promote and collect memberships and sell workshop punch cards.
- **Signs** – to set out road signs on the Monday before the show and to collect them at the end of the show. Also, to have someone put up signs in the building before the show and to put them away at the end.
- **Internet** - to promote the show on Facebook and Instagram and run contests before the show.
- **Kid's sandbox** – to set up and help run this children's activity during the show. Also, to help prepare the bags for sale before the show.
- **Fluorescent Display** – to help set up and man the display during the show and to help put it all away at the end.
- **Security** – to wear a "security" shirt during the show in order to help curb theft.
- **Volunteers "at large"** - to help with set up on Friday night and with tear down on Sunday

Whether you can volunteer a little or a lot, it all is greatly appreciated. Thank you, Robert Parry



HELP US SAVE THE ENVIRONMENT

Request your copy of the BL&MS Newsletter to be emailed to you in PDF format instead of mailed to you. Please send an email to Jeannine Johnson at jjohnson3733@cogeco.ca. (If you have requested a PDF copy and have not received it, please check your Junk Box.) Please Note: A PDF copy of the Newsletter is posted monthly on The BL&MS Website as well. www.brantfordlapidarymineral.ca

**COMMUNICATIONS PERSON IS NEEDED**

The Board of Directors are looking for someone to process the club's communications to our website. If you are interested, please present your name to one of the directors to be reviewed at our next board meeting.

FUTURE BL&MS MONTHLY MEETING DATES FOR 2019 – March to June only

March 15, 2019 at 7:30 pm	May 10, 2019 at 7:30 pm – EARLIER DATE – AGM MEETING AND ELECTION
April 12, 2019 at 7:30 pm – EARLIER DATE	June 14, 2019 at 6:30 pm – POT LUCK DINNER – EARLIER DATE AND TIME

THE BL&MS WORKSHOP IS OPEN MORE DAYS AND HOURS: 125 Stanley St. Unit # 5, Brantford. (Unit # 5 is at the back of the building.) From Highway 403 take Exit 38 Wayne Gretzky Parkway. (If coming from the East turn Left onto Wayne Gretzky Parkway. If coming from the West turn Right onto Wayne Gretzky Parkway.) Turn right onto Henry Street. Travel approx. 160 metres. Turn left onto Stanley Street. Travel approx. 850 metres. Destination will be on the left. (Please park at the back of the building or on Grey Street)

Please welcome Ellen Boyington as a NEW Workshop Instructor. Ellen has been working with Rita learning the machines and the Lapidary process so that she can look after a Workshop Session. Thank you, Ellen for taking on this position.

Workshop Chairperson: Ernie Edmonds (519) 583-9457
 Workshop Instructors: Rita Apanavicius apanavr@gmail.com or (289) 682-7612
 Allan Hietapakka Allan.hietapakka@hotmail.com or (519) 732-9825
 Ellen Boyington ellenboyington64@gmail.com or (519) 753-5191

Day of the Week	Hours the Workshop will be Open	Workshop Instructors
Sunday	12 noon to 6:00 pm	Ernie Edmonds and Allan Hietapakka
Monday	3:00 pm to 9:00 pm	Ellen Boyington
Tuesday	7:00 pm to 10:00 pm	Rita Apanavicius
Wednesday	12 noon to 6:00 pm	Ernie Edmonds and Allan Hietapakka
Thursday	7:00 pm to 10:00 pm	Rita Apanavicius

NOTE: Rita has said that if you would like the Workshop open from 5:30 pm to 10:00 pm on a Tuesday or Thursday night please phone her in advance and if she is able to accommodate you, she will. Rita Apanavicius apanavr@gmail.com or 289-682-7612

The days & times are also posted on our website & Facebook sites. The BL&MS Website: www.brantfordlapidarymineral.ca
 Facebook Website: <https://www.facebook.com/brantfordclub>

WORKSHOP PUNCH CARDS**PURCHASE IN ADVANCE AT THE BL&MS MEETINGS OR PURCHASE AT THE WORKSHOP**

There will be four levels of Workshop Punch Cards which will be available for members to purchase at our BL&MS Monthly Meetings and at our Workshop. Please pay by cash or cheque. Please bring exact change.

The Four Levels of Workshop Punch Cards are as such:

1. 1 session for \$12.00
2. 5 sessions for \$55.00 (Eleven dollars per workshop session)
3. 10 sessions for \$100.00 (Save money - Ten dollars per workshop session)
4. 20 sessions for \$180.00 (Best Savings - Nine dollars per workshop session)

NOTE: Each session is for ONE workshop usage per person. The Workshop Punch Card MUST be punched by the Workshop Chairperson or Workshop Instructor for EACH PERSON on EACH DAY of their workshop usage BEFORE they work on the machines.

**NEW TO THE BL&MS:
CABOCHON CONTEST****CABOCHON CONTEST - THERE IS STILL TIME TO ENTER THE CONTEST**

The First Cabochon Contest for The BL&MS was launched on Thursday, November 1, 2018 to coincide with the opening of our Workshop. Each contestant will receive one small box for each \$5.00 Entry Fee. A contestant can enter more than one Cabochon as long as they pay the \$5.00 per box Entry Fee (one box is one entry). Each Cabochon entry MUST fit into the small box (one cabochon per each box per each entry). **NOTE:** ALL



work that is done on each Cabochon entry **MUST** be completed at The BL&MS Workshop. Each Cabochon entry **MUST** be given to the Workshop Instructor when the contestant is leaving a Workshop session. **Each Entry MUST BE kept at the Workshop.** There will be CASH prizes for 1st, 2nd and 3rd place winners. The cash prizes are a progressive pay based on number of entries. Rules and Regulations for the Cabochon Contest will be posted at the Workshop as well as on The BL&MS Website and Facebook Site. **Remember your Punch Card or pick up one at The BL&MS Workshop or at The BL&MS Monthly Meetings. Please bring exact change.**
NOTE: The date for the Cabochons judging will be at our March 15, 2019 Monthly Meeting. The prizes for the winning Cabochons will be awarded at the March 15, 2019 Monthly Meeting. If the contestant is absent, they will be contacted after the meeting. The winning Cabochons will be displayed at our Paris Gem and Mineral Show on April 6 and 7, 2019.

FACEBOOK: Rita Apanavicius has added Facebook to our website and link on our newsletter.
<https://www.facebook.com/brantfordclub>



THANK YOU	Thank you to all of our members and their families who help out throughout the year for our meetings, at the workshop and at our Paris Gem & Mineral Show. Also, thank you to our Board of Directors.
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GEM, MINERAL AND FOSSIL SHOWS March, April, May, June & July 2019 NOTE: This list is not complete at this time

2019 The 26th Annual Kawartha Rock & Fossil Club Show , Saturday March 2 from 10 am-5 pm and Sunday March 3 10 am-5 pm at Evinrude Centre, 911 Monaghan Road, Peterborough, ON. Adults \$4.00, Children 12 & under free. For more information contact: Robert Beckett, 705-740-4530, rhbeckett@bell.net Directions: From Highway 115 at Peterborough, take the Parkway to Lansdowne St., then East 4 blocks to Monaghan Rd., then North 1 block. OR travel west on Highway 7 (Lansdowne St.) into Peterborough, turn right (north) at the 6th traffic light onto Monaghan Rd. then North 1 block. www.rockandfossil.com
2019 51st Annual Buffalo Gem Mineral Fossil Show , Sat. March 23 from 10 am-6 pm and Sun. March 24 10 am-5 pm at Erie County Fairgrounds, Market and Grange Bldgs., 5820 South Park Ave., Hamburg, NY. Adults \$5.00, 12 & under free. Go to: www.bgsny.org
2019 Brantford Lapidary & Mineral Society's 47th Annual Gem and Mineral Show will be held Saturday April 6 from 10 am to 5 pm and Sunday April 7 from 10 am to 5 pm at the Paris Fairgrounds, 139 Silver Street, Paris, ON. The Theme of this show will be: "Birthstones of the World". Adults \$6.00; Children 12 & under Free. There will be Gem, Mineral, Fossil & Stone Dealers; Lapidary Equipment & Supplies; Fine Jewellery, Supplies & Beads. There will also be Demonstrations; Fluorescent Room Display & Information plus other Exhibits. There will also be a Silent Auction. Kid's Activities include "Mine for Gems" and "I Dig Fossil Fish". You can also contact Robert Parry, Show Chair 519-448-1236 or robert@roberthalloriginals.com
2019 Kitchener Waterloo Gem and Mineral Club Annual Show will be held on Saturday, May 4, 2019 from 10:00 am to 4:00 pm., at the Button Factory Arts, 25 Regina Street S., Waterloo, Ontario. Each year their club organizes an annual show for one day only. The show is open to the public. Their show provides opportunities for people to buy, sell and exchange rocks, minerals, fossils, gemstones, lapidary material and equipment. Admission is free. For more information: kwgemandmineralclub@hotmail.com
2019 Niagara Peninsula Geological Society Annual Gem, Mineral & Fossil Show and Sale. This show is usually held in June. The 2019 date has not been posted on their website yet. For more information: http://www.ccfms.ca/clubs/NPGS/show.htm
2019 37th Annual Sudbury Gem and Mineral Show , Fri July 19 from 5 pm – 9 pm; Sat July 20 from 10 am-6 pm and Sun Jul 21 from 10 am – 5 pm at Carmichael Arena, Bancroft Drive, Sudbury, ON. Adults \$5.00, Seniors (60+) \$3.00, Children 6-12 \$1.00. Contact 705-522-5140 or go to http://ccfms.ca/Sudbury/Show.php . Sponsored by the Sudbury Rock & Lapidary Society.

CCFMS: Please check their website for Show updates, Field Trips and maps. <http://www.ccfms.ca> For more information refer to the Events Tab and the Field Trips Tab.



CCFMS Recurring Field Trips are posted on the CCFMS website:

- **Lincoln Quarry** Nelson Aggregates Quarry, Beamsville Ontario – Probably Saturday, May 11, 2019 (Mother's Day Weekend) and maybe Saturday 21 or 28. Hosted by CCFMS By permission only. Strict working Quarry rules: full safety gear, safety talk, must be 16 years or older. Please contact Jim Glen, Trip leader: jrglen@sympatico.ca
- **Bowmanville Quarry** St. Mary's Cement Inc. (Canada), Bowmanville – usually late May or early June and maybe mid-October, hosted by CCFMS. By permission only. Strict working Quarry rules: full safety gear, safety talk, must be 16 years or older. Please contact Kevin Kidd, Trip leader: kevjen1998@yahoo.ca



FIELDTRIPS: Go to the Niagara Peninsula Club website for a listing of scheduled fieldtrips & activities:

www.ccfms.ca/clubs/NPGS

Niagara Peninsula Club field trips email: npgstrips@gmail.com

NPGS is scheduling a Field Trip to the ROM probably on Saturday March 23 or Sunday March 24, 2019. The ROM is Kid-friendly with numerous minerals, meteorite & fossil galleries. Special exhibition on ZUUL – a horned dinosaur, plus many others. Special Gemstone gallery and Fluorescent display. Transportation will be direct from St Catharines (still planning whether they will be car pooling or van rental). Open to all CCFMS Club Members. Special ROM Group rate (min of 20 paid guests): Adults \$25.00; Seniors \$20.50; Students & Youth \$20.00; Children \$16.00. Transportation Costs: Gas, parking will be shared, please & thank you. Contact Ashley Pollock if you are interested in joining the NPGS on the ROM Field Trip. npgstrips@gmail.com ROM's website: <https://www.rom.on.ca/en>

London & Sarnia clubs are also planning on going to the ROM, maybe May on a weekday. They may have limited spaces. Please contact Bob O'Donnell, President, London club: bob-carla@rogers.com. for confirmation of the date, participant cost and further details.

Hungry Hollow Quarry, Ausable River, near Arkona, ON – Saturday, April 27, 2019 co-hosted with London Gem & Mineral Society Kid-friendly, in-advance permission only. For in advance paperwork – minimum 10 days prior to trip. London Club Members contact Bob O'Donnell: bob-carla@rogers.com. Niagara and other CCFMS clubs' members contact Ashley Pollock: npgstrips@gmail.com. Bob O'Donnell usually plans additional dates.

Ace of Diamonds Mine, Herkimer, NY, May 18 to 20, 2019 (Victoria Day Weekend). Co-hosted with Brantford Lapidary & Mineral Society. Kid-friendly. You will need a passport or an enhanced driver's license to cross the border. If camping, book @ Ace of Diamonds or the KOA campground. Brantford club members contact Andrea Larromana: andrea.larromana@yahoo.ca. Niagara & other CCFMS clubs, contact Ashley Pollock: npgstrips@gmail.com. Please let Andrea or Ashley know if you are planning to attend. **Possible additional date May 26 to 28, 2019 (Memorial Day weekend) hosted by Wayne County (NY) Gem & Mineral Club.** Wayne County also visits Hickory Hill diggings which is approx. 45 minutes east of Herkimer, NY (Hickory Hill is open Memorial Day weekend only).

Ridgemount & Ridgemount "South" Quarries, Ridgemount, ON. Maybe on Friday June 28th. Ridgemount is "in flux" at the moment due to changing working-sites and blasting. Awaiting confirmation that collectors are allowed in. Public collecting site on Fridays throughout late spring to fall. If you wish to go not on a scheduled club trip, phone Ridgemount Quarry at 905-382-2041 for a reservation. Ridgemount "South" Quarry is a scheduled Niagara club trip. Strict working Quarry rules: full safety gear, safety talk, must be 16 years or older. Walker Brothers now requires a flashing amber beacon light on cars.

Northern environs – Temagami, Cobalt, Kirkland Lake & Gowgonda – either mid-July or Mid-August for approx. 1 week. Still in planning stages. Primarily Archean minerals, silver, gold, cobalt, banded iron and pyrite. Kid friendly.



Open to the Public sites - any day you'd like to choose

Grenville Province minerals

Location: Beryl Pit & Rose Quartz Mine, Quadeville

 **kid-friendly** - both sites are pay-to-collect sites & Rose Quartz is "by appointment only". Please contact Dave & Renée Patterson, site owners. 

Location: Rutter nepheline-syenite Pluton, 2 sites, French River

 **kid-friendly** - one is a pay-to-collect site & both are by permission only. Please contact Ashley Pollock  if interested.

Location: Schickler Fluorite Mine, Wilberforce

kid-friendly - free-to-collect pass can be obtained at 2 places: @ Municipal Offices, 2249 Loop Rd or @ Agnew's General Store, 2284 Loop Rd, both in Wilberforce.

Mid-Devonian Hamilton Group - Onondaga Escarpment fossils

Location: Penn-Dixie Paleontological and Outdoor Education Center, Blasdell (Buffalo), New York

 **kid-friendly**



Subject: University of Waterloo Science Outreach Events

Welcome to the new year! **February 4, 7:00 p.m. World Wetlands Day public lecture. Peatlands: why they matter for the climate, people, and the planet.** Dr. Dianna Kopansky, Global Peatlands Coordinator, UN Environment. Registration required. We are looking forward to an exciting year of Science learning!

Sincerely, Heather and the Science Outreach team, Heather Neufeld, Manager, Science Outreach, University of Waterloo
518-888-4567 x31083 hneufeld@uwaterloo.ca

MUSEUMS - Are you interested in “Museums with Mineral & Hobby Related Items”?

The CCFMS had a list on their website of Museums with Mineral & Hobby Related Items in Ontario. www.ccfms.ca
Go to the Menu at the top of the CCFMS website and click on “Hobby Items” then Click on “Museums”.

The list of Museums in Ontario includes:

- | | |
|---|--|
| Royal Ontario Museum, Toronto, ON | Cobalt’s Northern Ontario Mining Museum, Cobalt, ON |
| Bancroft Mineral Museum, Bancroft, ON | Earth Sciences Museum, University of Waterloo, ON |
| Bruce Mines Museum, Bruce Mines, ON | Elliot Lake Nuclear and Mining Museum, Elliot Lake, ON |
| Canadian Drilling Rig Museum, Selkirk, ON | Miller Museum of Geology and Mineralogy, Kingston, ON |
| Canadian Museum of Nature, Ottawa, ON | |

If you go to the “Museums of Ontario” website they list the following Museum as having Minerals on display www.museumsonario.ca
Dryden and District Museum, Dryden, ON also displays Pioneer and Native Artifacts as well as Minerals

There are other “Museums with Mineral & Hobby Related Items” listed on the CCFMS website if you ae going out of province.



Rock, Gem, Mineral, Fossil & Meteorite Identification Clinics at the ROM

More Information, contact ROM: 416-586-5549 or ROM website: <https://www.rom.on.ca/en/visit-us>

Visitors with rocks, minerals, gems, fossils or suspected meteorites can have them identified at the special ID clinics, held 6 times a year. These clinics are free to the public but patrons wishing to visit the rest of the museum will be charged admission. No appointment necessary, first come, first served. Sorry we can't ID stone artifacts & NO appraisals will be done. **Hours:** Wednesday 4:00 pm-5:30 pm **Location:** School Groups Luncheon, President’s Choice School Entrance on Queen’s Park, doors nearest Museum subway shop.

Dates for 2019	February 20, 2019	April 17, 2019	June 19, 2019
	August 21, 2019	October 16, 2019	December 11, 2019

MINERAL OF THE MONTH: Our 2019 Paris Gem & Mineral Show is featuring “Birthstones of the Year”. Each month in 2019 our Newsletter “Mineral of the Month” will be “Alternative Gem Stone” instead of “Birthstone”. February’s “Alternative Gem Stone” is: “Onyx”.

The Gemstone Onyx

Onyx is a gemstone whose description can have several connotations. Its most accepted gemstone definition describes a solid black [Chalcedony](#), or a [banded](#) or layered black and white Chalcedony. The term Onyx is occasionally used to described any engraved stone with a solid color base, or it may describe any banded gemstone with parallel banding. In its solid black form, Onyx is the most traditional black gemstone.

Chemical Formula	SiO ₂
Color	White, Black, Banded
Hardness	7
Crystal System	Hexagonal
Refractive Index	1.54 - 1.55
SG	2.63 - 2.65
Transparency	Translucent to opaque
Double Refraction	.009



Luster	Vitreous
Cleavage	Indiscernible
Mineral Class	Quartz (Chalcedony)

ALL ABOUT

Onyx is an ancient gemstone, having been used in jewelry and as an ornamental gemstone for carvings since antiquity. Onyx has traditionally been one of the most important engraving and cameo gemstones, where its most common form was a black base with a white upper layer. Although still used a minor gemstone today, the significance and value of Onyx has been diminished as compared to ancient times.

When Onyx is banded black and white, it can be jointly classified as both Agate and Onyx. However, many require Onyx to have banding in roughly parallel lines, whereas other forms of Agate can have wavy or concentric forms of banding.

USES

Onyx is usually cut into cabochons and beads, where it is mostly used in bracelets, necklaces, earrings, and rings. It is also an important cameo and intaglio stone, and carvings and small statues have also been cut from it.

VARIETIES

- **Black Onyx** - Solid black form of Onyx.
- **Onyx Agate** - Banded variety of Onyx/Agate with parallel bands of black and white.

FALSE NAMES

Limestone Onyx, Mexican Onyx, or Onyx Marble - Travertine or Tufa that exhibits color banding from layer deposition. This material can be polished and dyed and used as an ornamental stone.

Green Onyx - Often refers to Chalcedony dyed a deep green color; may also refer to Agate banded light green and white. Sometimes also incorrectly used to describe green Onyx Marble (above).

Onyx Opal - Banded, dark colored Opal.

Rhodochrosite Onyx - Banded variety of Rhodochrosite (*Rosinca*).

Onyx TREATMENTS AND ENHANCEMENTS

Black Onyx is often dyed. The banded white and black form is usually natural and not dyed.

Onyx SOURCES

Sources of Onyx include India, Brazil, and Uruguay.

SIMILAR GEMSTONES

Black Onyx can be similar to **Black Diamond**, though it is much softer and less lustrous. It is much harder than **Jet**. Black Onyx lacks the metallic luster of **Hematite**, but it can be very difficult to distinguish from **Melanite Garnet** and **Schorl Tourmaline**.

Onyx PHOTOS



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The Mineral and Gemstone Kingdom is a free informational and educational guide to rocks, minerals, gemstones, and jewelry. This site has been providing detailed information and photos of hundreds of mineral and gemstone since 1997 and is one of the leading education resources on minerals and gemstones.



2018 BOARD OF DIRECTORS

EXECUTIVE	PRESIDENT: CONSTANCE HANSCOMB	519-720-0679	cshanscomb@yahoo.com
	VICE PRESIDENT:		
	TREASURER: JOAN CAMPBELL	519-752-9756	plattelandjoan@gmail.com
	SECRETARY: ALLAN HIETAPAKKA	519-732-9825	allanhietapakka@gmail.com
OTHER DIRECTORS	SHOW CHAIR 2018: BOB PARRY	519-448-1236	robert@roberthalloriginals.com
	NEWSLETTER EDITOR: JEANNINE JOHNSON	905-543-9220	jjohnson3733@cogeco.ca
	SOCIAL: CAROLYN HAYES	905-929-1080	hayescarolyn7@gmail.com
	PROGRAM: BETTY PARRY	519-448-1236	betty@roberthalloriginals.com
	FIELD TRIPS: ANDREA LARROMANA	519-761-2135	andrea.larromana@yahoo.ca
	CCFMS REP: JOHN MOONS	519-752-9756	campbell.moons@silomail.com
	LIBRARIAN: DARREN GAGE	519-758-8426	darren_gage@hotmail.com
	WORKSHOP CHAIR PERSON: ERNIE EDMONDS	519-583-9457	
	WORKSHOP INSTRUCTOR: RITA APANAVICIUS	289-682-7612	apanavr@gmail.com
	WORKSHOP INSTRUCTOR: ELLEN BOYINGTON	519-753-5191	ellenboyington64@gmail.com
IMMEDIATE PAST PRESIDENT: JOHN MOONS	519-752-9756	campbell.moons@silomail.com	

LIGHTER SIDE –



Mailing address: 1 Sherwood Drive, Brantford, ON N3T 1N3 Website: www.brantfordlapidarymineral.ca