



Next Meeting
March 30, 2019
1 – 3 PM
ONTARIO SCIENCE CENTRE
Challenge Zone

March Meeting HELLO, HELLO!! READ, READ!! You will **NOT** want to miss the upcoming meeting. **Professor Nick Eyles, of the University of Toronto**, will be coming to speak to us on “**How I became a Geologist and What I do**”. Prof Eyles is a world renowned environmental and ice age geologist. He has authored 150 publications in leading scientific journals and has worked all over the world, including most of Canada. He has also authored several books, one of which, “**Ontario Rocks**”, will be distributed to members, one copy per family. Professor Eyles will be happy to sign all of the books for us. We will probably never have a more highly regarded speaker than Professor Eyles. This is your chance to meet a pre-eminent but approachable geological scientist and, possibly ask him a question that you have had on your mind!?

Show and Tell: If you have mineral specimens in your collection **that show interesting features of rocks, fossils or minerals from Ontario** that we'll be learning about and discussing during the meeting, bring them! **Ontario Rocks!** Your fellow members would love to see them.

What'sit Keep studying and learning to sight-identify minerals! As usual, there will be a cool What'sit and maybe YOU will get enough identifications right to take home specimens for your collections?! **You Rock!!**

Give aways There will be give-away mineral specimens for you to take home. **YTMC Rocks!!!**

Zonework: At the end of this newsletter, you'll find this months “Zonework” by David Bellamy.. Remember, you could win a prize and accumulate “points” by completing and learning from your Zonework that add up to excellent awards, gifts and recognition at the end of the season. **David Bellamy ROCKS!**

March Meeting Details –Please read!

- If driving, let Science Centre parking attendant know you are there for the Young Toronto Mineral Club and get a discount.
- Get your free OSC admission tickets in the main lobby starting at 12:30PM. We meet in the Challenge Zone.
- **Please arrive on time** so we can get the meeting underway?!

NEW? Membership Fees and registration

Our Membership fees are now \$50.00 per family. We only offer family memberships.

You can pay your registration by INTERAC. Please do the following:

The email address for our treasurer is: Treasurer@YTMC.org

Send \$50 membership fee

Set the INTERAC security question to “What do we collect?” with answer “Rocks”.

Put child member names in the message box in the INTERAC transfer:

THEN, please fill out the registration form and bring it to the next meeting!

2018 – 2019 Meeting Dates

Mark the following dates in your calendar and reserve them for a great meeting or field trip!

- Saturday March 30 @1PM, Dr. N. Eyles
- Saturday April 27 @1PM - Brian and Mary Joyce are back to talk about Meteorites!
- Saturday May 25 (Field trip Arkona-Fossils)
- Saturday June 8 @ Noon (Picnic)
Reserve this date!

Junior Mineralogists

Asher Zand will be Jr. Mineralogist after the March Meeting and will engage the public at the OSC. If you are interested in being a Junior Mineralogist, please let Len or Marilyn know at the meeting or by email. **Theo Karagounis** did a great job exhibiting fluorescent minerals last month. **Asher and Theo Rock!**

FACEBOOK

We have a **GREAT** Facebook page. Check us out and then “follow us” (it is YOUR club!) and contribute at <https://www.facebook.com/YTMCRockhounds/>.

Contact information for the club:

Len Buchanan 416-693-2174,

Dave Joyce 647-233-8125

Our Web Site: www.ytmc.org

Zonework for March Meeting!

Property Management /10 Name: _____

Properties are attributes that can be used to identify an unknown substance, like a mineral.

Match the following properties with their descriptions (by letter). There are three extra descriptions that do not match any of the properties. They are there so that if you make a mistake, you do not automatically make a second matching mistake.

#	Answer Letter	Property	Code Letter of Description	Description
Sample	H	Birefringence	A	A description of the way a substance reflects light.
Sample	E	Elasticity	B	The tendency of a mineral to break with rough surfaces when it is struck.
01.		Cleavage	C	The ability of a substance to remain in one piece while it is being deformed.
02.		Crystal System	D	The colour of the powder trail left by a mineral as it is dragged across a rough ceramic plate.
03.		Dispersion	E	A measure of a substance's ability to return to its original shape and size after it has been distorted.
04.		Fluorescence	F	A measure of the amount of a substance that will dissolve in a specific amount of a solvent, like water.
05.		Fracture	G	A measure of a mineral's ability to resist being broken.
06.		Hardness	H	A measure of a substance's ability to split a light ray into 2 rays.
07.		Lustre	I	A measure of a substance's ability to bend light that travels through it.
08.		Solubility	J	A measure of a substance's ability to break white light into its component colours.
09.		Streak	K	The emission of visible light by a substance when it is exposed to ultra-violet light.
10.		Tenacity	L	The density of a substance with respect to the density of pure water.
			M	The shape of a mineral that reflects the way its atoms are organized.
			N	The tendency of a mineral to break along smooth planes.
			O	A measure of substance's ability to scratch other substances.