

Season Five, Meeting One - Oct 2nd, 2018 – SECOND NOTICE

Welcome to fall in North America! With that said, and apologies to those who have already RSVP'd, it is time to remind everyone to join us for the first of eight scheduled events in the 2018-19 season of the *Kawartha Region Earth Science, Engineering and Metallurgy Network*, which is scheduled for the evening of Tuesday Oct 2nd, 2018. We at KREEM, along with our patron sponsor Pasinex Resources Limited, hereby invite and look forward to you attending an evening of networking and socializing with Professional Geoscientists, Geological Engineers, Metallurgists and others working in earth sciences in support of mineral exploration, mine development, environmental monitoring and protection, government agencies, academia, and with those interested in advancements in geoscience. In this premier event, feel free to come early, perhaps enjoy a light meal or beverage, show some love to our hosts, the Kings Crossing Tap and Grill, and listen to an interesting, mind-expanding talk! Newfoundland, trace fossils, geophysics, limestones ... what's not to like?

WHEN AND WHERE

- Tuesday, Oct 2nd, 2018
- 18:30-21:00 Kings Crossing Tap and Grill (second floor meeting rooms)
- 197 George Street, Peterborough (next to the old train station just north of the Holiday Inn)

GUEST SPEAKER

Dr. Phil J.A. McCausland, *University of Western Ontario*, who will be speaking on – “Laurentia - ancestral North America's plate tectonic journey through a billion years”

PRESENTATION ABSTRACT

The mobility of continents over geological time, via what came to be known as “plate tectonics,” is by now a familiar story of a modern scientific revolution. What may not be so well known is that much of the work in understanding Earth’s paleogeography and plate tectonic processes still needs to be done! In this talk I focus on the paleocontinent Laurentia –ancestral North America– and its central role over a billion years in past supercontinents from Nuna and Rodinia to Pangea. The key paleogeographic tools -- geological, paleontological and paleomagnetic -- work best when integrated. Successes include using the *Thalassinoides* ichnofacies (Tyndall stone) and undisturbed brachiopod *Proconchidium* occurrences as independent biofacies indicators of the Late Ordovician Laurentian paleoequator, and the use of basin sedimentation to confirm the Neoproterozoic existence of familiar equatorial and arid paleoclimate zones. Fifty years on in the plate tectonic revolution, it seems like we are still in early days! Attempts are just now being made to use these independent observations and our understanding of processes to solve the pre-Pangean paleogeography in a fuller plate tectonic framework. These are exciting times!

FUTURE SCHEDULED GUEST SPEAKERS

- Nov 6, 2018 *Mike Dry, Arithmetek, Inc. – “So you found lithium: now what?”*
- Dec 4, 2018 *Steve Williams, Pasinex Resources Limited - "Pasinex Resources : Mining and Exploration in Turkey and Nevada"*
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Zen, Alex and I look forward to seeing you all again on Oct 2nd (*Lorne will return next month*).

Please RSVP by Sunday, September 30th, 2018, to:

Graham Wilson, Ph.D, P.Geo (ON), turnstonerocks@yahoo.ca

Speaker Sponsor

