

# THIRD AGE LEARNING



KITCHENER-WATERLOO

[www.tal-kw.ca](http://www.tal-kw.ca)

**FALL 2019**

1:30 - 3:30 p.m.

**Tuesdays**

**October 15 - December 3**

**Wednesday - Thursdays**

**October 16 - December 5**

*\*Note: October 16 and November 13 are Wednesdays*

**FORBES FAMILY HALL**

**RIM Park**

**Manulife Financial Sportsplex**

**2001 University Avenue East**

**Waterloo**

**TAL-KW:** A non-profit, independent organization operated by a voluntary Board of Directors arranges lectures by professors and community experts. Since 1988, TAL-KW has offered eclectic, continuing education challenges for active, mature minds. Two afternoon series of eight lectures each are presented every fall and winter in the Forbes Hall at the RIM Park Manulife Financial Sportsplex, Waterloo. A refreshment break adds to the vibrancy of the exchange of ideas.

**MAILING LIST:** Those on the mailing list are eligible to receive the brochure. To be added to the mailing list, please contact the Registrar ([registrar@tal-kw.ca](mailto:registrar@tal-kw.ca)). Those who have NOT applied to a series at least once in the previous 4 sessions will be removed from the mailing list.

**MEMBERSHIP:** Anyone on the mailing list, who is registered for a series, either in fall or winter, becomes a member and remains a member until the first lecture the following fall. Registrations are limited by the seating capacity in Forbes Hall. There is no separate membership fee. An entrance fee covers expenses for each series.

Members are invited to the Annual Meeting on the last day of the Thursday winter series at 3:35 pm in the Forbes room of Rim Park.

**MEMBER ASSISTANCE POLICY:** Anyone attending a lecture who requires the services of a caregiver, professional or non-professional, must be accompanied by that caregiver before, during and after the lecture. Professional caregivers' fees are waived. Service animals are permitted in the lecture hall.

**TAL-KW BURSARIES:** Funds declared beyond the needs of TAL-KW may be granted to local not for profit entities engaged in advancing the field of gerontology, geriatrics, or diseases affecting the elderly. To date, bursaries have been granted to students of University of Waterloo, Wilfrid Laurier University and Conestoga College Institute of Technology & Advanced Learning.

## TO PURCHASE TICKETS

### **Between July 15th and September 20th:**

Tickets can be purchased only through Kitchener's Centre in the Square. These qualify for the \$40 EARLY BIRD fee (includes HST). The following options are available:

**Online:** Visit the TAL website ([www.tal-kw.ca](http://www.tal-kw.ca)) and click on the "Tickets" menu item. Centre in the Square handles these sales. Your tickets can either be printed via the "print-at-home" function or the Centre will mail them to your home. Since TAL pays an additional fee for the mail-out option, please consider printing your own tickets if possible.

**Via Phone:** Call the Centre in the Square box office (519-578-1570 or 1-800-265-8977). Your tickets can either be printed via the "print-at-home" function, or the Centre will mail them to your home.

**In person:** Visit the *Centre in the Square* box office: 101 Queen Street North, Kitchener.

***The "Online" and "Via Phone" options require a credit card. You may pay by cheque or cash at the box office.***

### **After September 20th:** <http://wptoolbox.com/tips/PSpecial.html>

Subject to availability and prior to the start of each lecture, tickets for a series of 8 lectures will be available at the door for \$50 (includes HST). Cash or cheque only.

**Guest Policy:** Space permitting, a day ticket (\$8) may be purchased at the door prior to the start of each lecture. In the event of ticketing problems please contact the Centre in the Square box office prior to September 21st and the TAL Registrar afterwards:

**Keith Myra**  
[registrar@tal-kw.ca](mailto:registrar@tal-kw.ca)  
**(519) 886 - 4423**

## TUESDAY AFTERNOONS 1:30 TO 3:30 P.M.

### INDIGENOUS PERSPECTIVES: PATHS TO UNDERSTANDING

**October 15 – The Seven Generations Philosophy** Work towards reconciling the past relations between the Crown, Canadians and Indigenous peoples, a relationship that currently lacks understanding and empathy, is challenging. Many Canadians wonder why Indigenous people cannot find a rightful place in today's society, and why such poor health data for Indigenous populations? Why is it that Indigenous people cannot seem to just move beyond the past? This keynote explores Canada's settlement history and relates how this impacts the on-going transmission of trauma. It will challenge, empower, promote the understanding of Canada's settlement history and encourage a commitment to strengthen a relationship for all peoples to enjoy a safe, fair, and just society. Darren Thomas – member of the Seneca Nation, full-time lecturer Indigenous Studies, WLU

**October 22 – Indigenizing Education in Canada: Why? When? How?** Senator Murray Sinclair said, "Education got us into this mess, education will get us out of it." The education he is talking about is not the standard offering which reinforces the notion of western superiority and domination. Indigenous youth are the youngest and fastest growing population in Canada today and our education system will continue to fail them in its present form. Post-secondary institutions must lead the way in developing indigenized, decolonized education to serve Indigenous youth and all Canadians. Jean Becker – Inuk, member of the Nunatsiavut Territory of Labrador, Senior Advisor: Indigenous Initiatives WLU

**October 29 – Territorial Acknowledgements 101** In the post Truth and Reconciliation era territorial acknowledgments have become commonplace throughout Canada. Yet one might wonder why this is necessary and what relevance it has, especially for non- Indigenous. Incorporating storytelling, Lori will explain the importance of naming the first peoples who have lived in the region and the treaty relationship that was formed between the Crown and the Haudenosaunee. Lori Campbell – nehiyaw nitapihtawikosisan (Cree-Métis), Director, Shatitsirótha' Waterloo Indigenous Student Centre

**November 5 – The Contradiction, and Direction, for Indigenous/Police Relations** Indigenous and Settler peoples do not live the same lives and cannot be assured of receiving the "same" from policing services. Many believe that police are there to protect, create safety and expect that police will respond quickly and effectively." In contrast, Indigenous peoples experience disproportionately higher violence, under-protection, mistrust, and have low confidence in police interactions and responses. Their story is likely, "don't call the police" and "never get into the back seat of a police cruiser." Examining the ideology that embeds policing policies and practices reveals systemic colonialism and racism. Change will require seeing humanity in one another, challenging preconceived notions and assumptions about Indigenous peoples and learning what one did not know. Kelly Laurila – Sáami Indigenous (Northern Finland) and Settler Irish ancestry, Lecturer, Renison, Social Work, WLU

**November 12 – Indigenizing the Academy** As Wilfrid Laurier's Indigenous Curriculum Specialist, I have been tasked with supporting the university in creating space for Indigenous ways of knowing and being. It is a great task to undertake, and we must begin the process of reimagining what education can be in this country. What does it mean for a university to indigenize their education? I will share ideas of where to begin, use my own educational journey and have my ancestors to guide me. Erin Hodson – Mohawk descent, M.Ed, Brock, Indigenous Curriculum Specialist WLU

**November 19 – Determining 'Significance' - The Selection of Indigenous National Historic Sites** A look at the designation of national historic sites of Canada, specifically sites that relate to Indigenous history. This presentation will discuss well-known Ontario sites such as the Peterborough Petroglyphs and Sainte-Marie Among the Hurons, and lesser-known sites such as the Sheguiandah paleoindian archaeological site, occupied nearly 10,000 years ago." Cody Groat – Mohawk Six Nations, M.A. World Heritage Studies, U. of Birmingham (UK), PhD Candidate in History WLU

**November 26 – The Creator's Game: Lacrosse, Identity, and Indigenous Nationhood** The game of lacrosse is understood to be a gift from the Creator and it has been a central element of North American Indigenous cultures for centuries. While the game was being appropriated and used to construct a new identity for those that identified with the nation-state of Canada, this presentation will demonstrate it was also at the centre of Indigenous forms of resistance to residential school experiences, a site of pan-Indigenous political mobilization in the first half of the twentieth century, and important venue for articulating Indigenous sovereignty on the world's stage in the second-half of the twentieth century. Allan Downey – is Dakelh, Nak'azdliWhut'en, Associate Professor, Department of History and Indigenous Studies, McMaster

**December 3 – Injichaag: Storytelling and the Soul of an Indigenous Artist** Rene Meshake will share stories related to his recent book Injichaag: My Soul in Story. This work was done in collaboration with Kim Anderson, who will speak about the process of working with story and in particular how Meshake's story fits in the context of a larger narrative of Indigenous peoples in Canada throughout the twentieth century. The two will perform and read from their collaborative work, which includes history, story, poetry and Anishinaabe (Ojibway) word bundles. Rene Meshake – Anishinaabe Elder, storyteller, visual and performing artist, author, flute player, multimedia artist and Kim Anderson – Metis writer and educator, Associate Professor, Department of Family Relations and Applied Nutrition, Guelph, PhD in History, Canada Research Chair in Indigenous Relationships

## WEDNESDAY – THURSDAY AFTERNOONS-1:30 TO 3:30 P.M.

### SHAKE, RATTLE AND ROLL: OUR RESTLESS WORLD

Humanity lives on a restless planet. Sometime after Earth was formed about 4.5 to 4.6 billion years ago, huge continental-sized slabs of rock have slowly moved around our world, bumping into each other, grinding past each other, and also being forced downward or even upward over each other. Just over 100 years ago scientists started to realise that many aspects of our present-day world revolved around these geological changes, initially known as "continental drift" and now as "plate tectonics". This series explores the many facets of Plate Tectonics, from its origins to the societal impacts for humanity.

Alan Morgan – Adjunct and Emeritus Professor, Earth and Environmental Sciences, University of Waterloo.

**Wednesday, October 16: Plate Tectonics; the Origins of an Hypothesis.** This talk explores the concepts of Continental Drift starting from the earliest ideas, through a reasonable scientific hypothesis expressed by Alfred Wegener a little over 100 years ago, to the science that has morphed into the current ideas of plate tectonics. It covers different aspects of mineral deposits, the bio-geographic history of our world, the science of the movement of different plates and sets the scene for the succeeding lectures.

**October 24: Continents in the making; Ridge systems of the world.** Humanity is frequently awed by the spectacular grandeur of volcanic eruptions, especially those of oceanic islands where vast streams of lava cascade down the flanks of massive volcanoes, as seen in the recent 2018 Hawaiian flows. Most of these oceanic eruptions are "ridge systems" and are often unobserved since they take place beneath the world's oceans. It is only when they appear above water that humans are able to observe them in places like Hawaii, the Galapagos islands, the Azores, Iceland, Kolbeinsey and Jan Mayen. This lecture explores some of these locations.

**October 31, 2019: Slipping and sliding; Passing ships in the night.** Perhaps of more concern to humans are earthquakes. These take place in areas of tectonic stress. We are fortunate in Canada in only having a few regions that are of potential higher risk, although smaller, local earthquakes can occur by stress build up even in stable areas. This lecture will explore more seismically active regions (and larger earthquakes) such as the transform San Andreas Fault, the Queen Charlotte Fault off western Canada, and the New Zealand (Alpine) fault.

**November 7, 2019: Boom and Doom; Volcanoes of the Mediterranean and North America.** Seismic activity in the Mediterranean is a reflection of the collision of the African and Eurasian plates, with the former diving under the latter. This subduction activity creates violent volcanic activity, sometimes associated with very large earthquakes. Similar activity is seen in western North America, central America and in western South America. This talk will investigate the Mediterranean areas of Santorini (Thera), the Aeolian Islands, Vesuvius, Pompeii, Herculaneum, Puzzuoli and the CampiFlegri fields, and Mt. St Helens and other Cascade volcanoes, north to Mt. Meager, just north of Vancouver.

**Wednesday, November 13: Super volcanoes, and things that go splash in the night!** In a continuation of the last lecture we shall explore subduction activity, concentrating on earthquakes and the catastrophic tsunamis that ravaged Indonesia and Japan in the past decade. The talk will also cover the Super volcanoes, at Yellowstone, the Taupo area of New Zealand and (Tamboro and Krakatoa) in Indonesia.

**November 21: The Origins of life on Earth.** Life appeared on Earth less than one billion years after the planet was formed. Starting from bacteria of various types and evolving through cyanobacterial mats (stromatolites) that produced the oxygen we need to survive through photosynthesis. Advanced multicellular fossils appeared in latest Precambrian time (less than 1,000 million years ago). About 600 million years ago a diverse group of organisms preceded the explosion of life on Earth, at the start of Cambrian time some 540 million years ago. A plethora of life on land followed with the first terrestrial plants, amphibians, reptiles, dinosaurs and mammals. This talk outlines some of the developments and setbacks of life on Earth.

**November 28 Earth: Our Melting Arctic.** The Canadian Shield is the core of the North American continent and contains the oldest rocks known on Earth. Today it is one area of the world where climate is changing most rapidly. The talk covers the geological and exploration history of the Shield and other northern areas, concluding with concerns about our rapidly changing environment.

**December 5: Earth: In the Footsteps of Darwin and Our Melting south.** Charles Darwin was an enthusiastic geologist and entomologist. He is best known for his circum-world voyage on HMS Beagle that ultimately resulted in his joint publication with Alfred Wallace, on the theory of evolution through natural selection. Less well known were his ideas on the creation of coral atolls, that are intimately involved with plate tectonics. This final lecture covers Darwin's life including the Beagle voyage and concludes with aspects of climate change in the southern Hemisphere.

### THIRD AGE LEARNING BOARD OF DIRECTORS 2018 – 2019

Valerie Beckett, *President* (519) 886 4166

Sylvia Ranson, *Secretary & Archivist* (519) 576 6387

Rick Kitchen, *Treasurer* (519) 742 2495

Keith Myra, *Registrar* (519) 886 4423

Elizabeth Ruby, *Assistant Registrar* (519) 653 4157

Wendell Prime, *Technical Director* (519) 664 2017

Phil Thomas, *Technical Team*

Ron Rempel, *Member at Large*

*Hospitality & Volunteers Team*

Gail Wright (519) 884 0365 (Team Leader)

Melanie Watkins

Marie Beattie, *Program Director* (519) 742 4699

Jean Coughlan Bednarski      Program Team

Barb Kempe                              Program Team

Doug Koehler                            Program Team

Elaine Wetherup                        Program Team

**To suggest a series topic, please contact any of the above.**

**Privacy Policy:** TAL-KW will keep confidential all personal information which may have been provided to it by its members or any other person and will not disclose such information except to its auditors as requested and to its directors for the purpose of operating its programs.