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| **EyeOpener May 31, 2022 - Dendroacheology**  **Youth Service Month**  **Note: the meeting of June 7 will not have any Zoom component. It will be in person only at Safety Starts here.**  **This Meeting was held in person in the “Safety Starts Here” Classroom with ZOOM on the screens.**  **Alan led us in singing O Canada.**  **Land Acknowledgement**  We acknowledge that the Rotary Club of Camrose Daybreak is located on Treaty 6 land. This is the traditional territory and an ancient gathering place of many Indigenous peoples for thousands of years.  We recognize that we are all Treaty people and have a responsibility to become aware of our shared history, understand the Spirit and Intent of the Treaties and by doing so we can honour the past, be aware of the present, and create a just and caring future built upon Peace, Friendship, and Understanding.  **Guest Speaker:** Varghese introduced Greg King. Dr. Greg King was born in Victoria, BC, grew up in Nova Scotia, completed his undergraduate and master's degree from Carleton University, Ottawa. His master's work related to research on biogeography in the Northwest Territories. He completed his PhD in Zurich, Switzerland. His PhD work involved investigating tree growth dynamics in alpine Swiss valleys and of course eating lots of chocolate. In January 2018, Greg came to Augustana and teaches courses, mainly, in the Environmental Sciences program. Greg's research interest is around the topic of forest response to ecosystem changes both contemporary and historical within natural and urban environments. He was recently recognized with the University of Alberta Campus Sustainability Leaders Award. Greg loves gardening, being on ski trails, paddling, and playing ultimate frisbee.  Greg spoke to us about the dendroacheology project at Cooking Lake in the Beaver Hills. He acknowledged the help of Kelly Heineman, Dylan Rode and Mike Boyd. The Beaver Hills were occupied by Cree, Metis, Blackfoot, Salteaux, and Nakoda Sioux peoples. The area includes Cooking Lake, and its drainage partners as well as Elk Island. The focus of the project was to date the construction of “Spruce Lodge” at Cooking Lake. It was built by Walter Scott Robertson as a summer lodge for himself and his family. Robertson had moved to Edmonton in 1883 to operate a general store, but he was also Deputy Sheriff and later Sheriff. Cooking Lake was a popular summer resort for swimming and boating and was about a day’s journey from Edmonton. Robertson had sailing boats, canoes, and a steam launch. He and his family initially stayed in tents but then built the lodge out of spruce logs. Greg explained that Mike Boyd had collected and preserved pictures from the era. Greg showed several of these pictures of the Robertson family, the lodge, and the boats. Eventually Robertson subdivided the land, giving his children a place to build their own cabins. The original lodge is now on private property and has had several additions. The present owner wants to preserve it for its history. When was the original lodge built? Dendroarcheology is the study of tree rings (dendrochronology) to date wooden material from archeological sites. The species of the tree must be known, in this case spruce is confirmed as the bark remains on many of the logs. Core specimens are taken with a small hand coring bit or a larger electric coring bit. The site where the cores are obtained are documented. Hand coring works better with live trees, in this case the larger electrically obtained cores were better. The cores are sanded to 600 grit so the dark and light portions of the growth rings can be easily seen. The core samples are then compiled against other samples from the same building or site; then they are compared trees either alive or dead of known age from the same area. Comparison to trees in the Grey Nun’s Forest in Edmonton did not match but trees on Koney Island in the area did. This along with historical data from people who built in the same area enabled them to conclude that the lodge was built in the early winter of 1896. Greg explained that the water level in the drainage of Cooking, Hastings and associated lakes has dropped 9 feet from the time the area was used as a summer resort. This has turned the area into more marsh than lake. They do not know why this happened It may be related to precipitation or to man made causes. For example, a canal was once dug from Miquelon Lake to Camrose and operated for two years to provide water to steam locomotives and a Calgary Power plant.  Greg was thanked with a certificate denoted the vaccination of 30 children against polio.  **Happy Bucks** for: an upcoming trip to Niagara Falls for a wedding anniversary, the speakers at the Rotary District Conference, the Ukrainian family staying at their house for the summer, the S**ahakarini AGM (June 6 at 6:30 pm at Messiah Lutheran Church**) and the online auction (check the Sahakarini website).  **Business**  **Announcements** –   * Chase the Ace- Morris reported that the current draw which supports the Camrose Boys and Girls Club Summer Adventures Program will be drawn on June 1. The RCC will then be supporting the Fellowship of the Camrose Public Library Self-Serve Kiosk project. Our project supporting Days for Girls will be next – June 16 to 29. * The Summer Meetings will be social events held July 12 (Larry and Patrice), July 26 (Rob), August 9 (Alan) and August 23 (to be determined). Events will start at 6 pm. The host will prepare meat or main course, participants will pay a set amount to cover the costs of the host. Participants will be encouraged to bring side dishes or desserts. Guests and RCC members will be welcome to attend.   **Reminders of Upcoming Events**   * Joint Executive Meeting on Thursday, June 2, 7 pm at the Henderson’s 3412 61A Street. * June 7 Rob will have a speaker from Centra Cam * June 13 Joint meeting with RCC, Destiny Part 2 of the CMHA Recovery College * June 14 8 am Board Meeting via Zoom * June 21 John Stoddart and Morris regarding the Houston Convention * June 28 the Changeover Meeting was originally scheduled but Odell and Alan will be away. KIVA choices will be made – over $1,900 to invest. * July 1 Alan becomes president. * The International Rotary Convention will be held in Houston, Texas June 4 to 8, 2022.  John is already in Houston; Morris will be joining him.   **Alan led us in singing the 4-Way Test**.  **ROTARY JOINS LEADERS | ROTARIANS SHARE IDEAS | ROTARIANS TAKE ACTION** |
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