

Climate of The Holocene , From the End of the Ice Age (11750 years ago) to The Present as Derived From Ice Cores; Recent Sudden Changes and Those of the Past.

On Thursday April 18, in collaboration with CMOS (Canadian Meteorological and Oceanographic Society), David Andrew Fisher, Adjunct Prof at University of Ottawa, Earth Sciences, Ottawa, Member of School of Graduate and Postdoctoral Studies, presented to CACOR and CMOS members and friends: 'The Holocene, From the End of the Ice Age (11750 years ago) to The Present as Derived From Ice Cores; Recent Sudden Changes and Those of the Past.'

If you are familiar with amber jewellery (which started out as soft resin from trees, hardening and trapping 'debris', including insects (these are prized pieces), you will understand why ice cores are important in garnering historical information about the past climate conditions on Earth. Air bubbles, dust, volcanic ash, salts, etc. that are trapped in ice can be analyzed to help us understand our past climate conditions.

David Fisher told us about his time collecting and analyzing ice cores. The presentation gave us an historical perspective starting from the last ice age, 11750 years ago.

Most intriguing was the change since 1967 at Meighen Ice Cap in the Arctic, where a hut used by scientists, first built in 1967, and 'rebuilt' three times (1977 and 1987), each on top of the previous structure, due to snow accumulation. In 2000, due to snow melt, all three huts were exposed, indicating a serious amount of melting after three decades of increasing accumulation. You can see this image in the Youtube presentation link here: https://youtu.be/3_FKE5bPce4

David's presentation was well received, evidenced by the many comments and questions following the presentation.

"About the presentation: Ice cores from Greenland and Northern Canada tell a consistent story of changes in the climate over many millennium. This story is presented from the end of the last ice age 11750 years ago to the present and the major climate events related to examples of societal response."

Six photographs from the event:





