



Radiation Safety
Institute of Canada
Institut de radioprotection du Canada

Radiation Safety &
Wellness Webinars



April 28, 2022

National Day of Mourning

With Guest John Perquin

Followed by Mandel Fraser from PowerYoga West

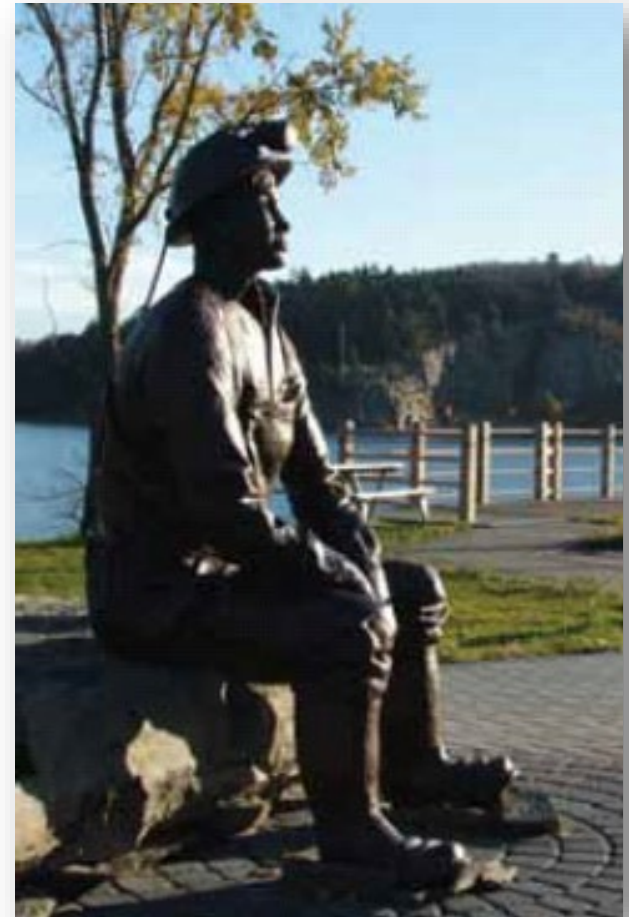
Good Science in Plain Language®

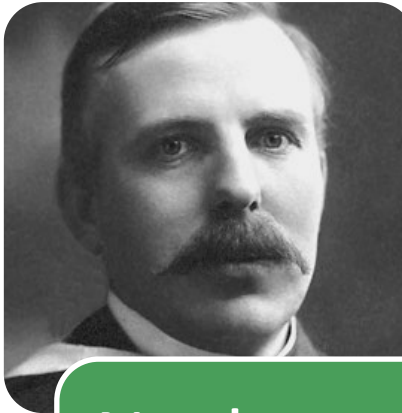


- Audio and video
 - During the presentation, from the presenters only
 - Use computer or telephone (call in)
 - Computer seems to give the best sound quality
 - Technical difficulties: 1-800-263-5803 x321
- Use the “Chat” feature to enter comments and questions
- Posted on webinar page
 - Video, answers to questions, copy of the slides
- Follow up email will be sent
 - Topics covered, time of attendance
- It may be possible to change your Zoom view if the controls are hiding the closed captioning.



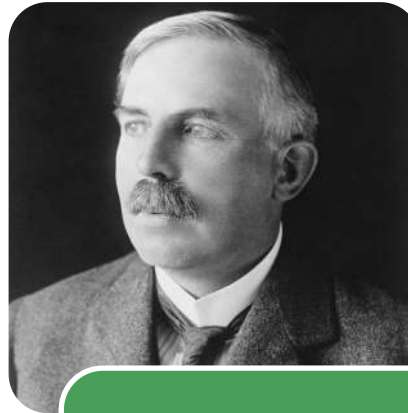
- History of Nuclear Power and Uranium Mining in Elliott Lake, Ontario
- Interview with John Perquin
 - Q&A
- Moment of Silence
- Wellness





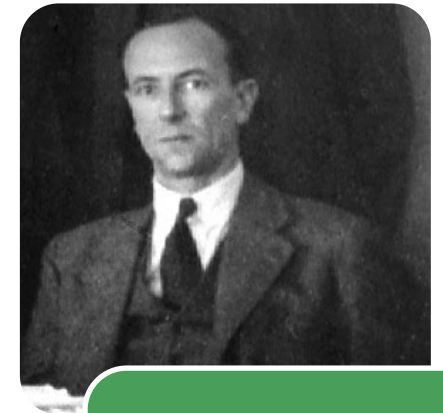
Nucleus

- Rutherford
- 1911



Proton

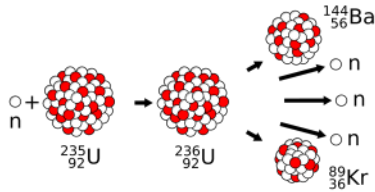
- Rutherford
- 1920



Neutron

- Chadwick
- 1932

Sir Ernest Rutherford - Bain News Service, publisher Restored by: Bammesk, Public domain, via Wikimedia Commons
Sir Ernest Rutherford - Unknown author, Unknown author, Public domain, via Wikimedia Commons
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Neutron Induced Fission

- 1938
- Hahn
- Strausmann
- Meitner
- Frisch
- 1938



Manhattan Project

- 1942-1945



Chicago Pile-1

- Fermi-led group
- December 1942

Nuclear Fission - MikeRun, CC BY-SA 4.0, via Wikimedia Commons

Manhattan Project Pin - doe-oakridge, Public domain, via Wikimedia Commons

CP-1 - Melvin A. Miller of the Argonne National Laboratory, Public domain, via Wikimedia Commons



1953

- Uranium discovered

1955 to
1990

- Elliot Lake produces most of the world's uranium

1976

- Employee's Health and Safety Act (ON)

1955

- Elliot Lake settlement established

1974

- Wildcat strike
- Ham Commission appointed

1978

- Occupational Health and Safety Act (ON)



- Interview Questions
- Questions posted in the chat room
- To ask a question verbally
 - use “raise hand” button
 - When asked, press spacebar or unmute to speak
- Questions we do not get to
 - Answers will be posted to our website and link to resources emailed out







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- <https://www.atomicarchive.com/history/first-pile/index.html>
- <https://www.atomicarchive.com/history/manhattan-project/p1s4.html>
- https://www.attorneygeneral.jus.gov.on.ca/inquiries/elliottlake/report/Vol1_E/ELI_Vol1_Ch02_E.pdf
- <https://bieksa.app.box.com/s/2pcyocpd8pw8y9cqmtptyjwnvfegitsh>
- <https://www.britannica.com/event/Manhattan-Project>
- <https://www.cbc.ca/news/canada/sudbury/workplace-safety-fight-far-from-over-steelworkers-say-1.2613441>
- <https://www.cbc.ca/player/play/2449663961>



- <https://www.ccohs.ca/events/mourning/>
- <https://www.chemistryworld.com/features/hahn-meitner-and-the-discovery-of-nuclear-fission/3009604.article>
- <https://www.erudit.org/en/journals/llt/1900-v1-n1-llt0160/1011330ar.pdf>
- <https://magazine.cim.org/en/voices/the-strike-that-saved-lives/>
- <http://www.rankandfile.ca/the-history-behind-canadas-national-day-of-mourning/>
- <https://www.tandfonline.com/doi/full/10.1080/00295450.2021.1913033>



- <https://www.thecanadianencyclopedia.ca/en/article/elliott-lake>
- <https://www.usw.ca/>
- <https://uwaterloo.ca/earth-sciences-museum/resources/mining-canada/elliott-lake>
- <https://web.archive.org/web/20211218022921/https://www.thesudburystar.com/2014/03/26/elliott-lake-wildcat-strike-led-to-key-law>
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- <https://wohis.org/history/>