



## Canadian Nuclear Society / Société Nucléaire Canadienne

Chalk River Branch, c/o Ruxandra Dranga, AECL-Chalk River Laboratories, Chalk River, ON K0J 1J0

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*“Supporting nuclear science and technology for over 25 years”  
“plus de 25 ans de promotion de la science et de la technologie nucléaires”*

### “Making the Earnest Rutherford Documentary”

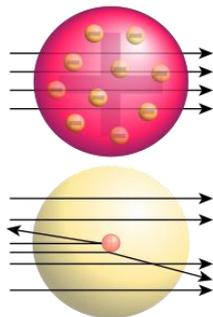
The Chalk River Branch of the Canadian Nuclear Society is pleased to welcome back Dr. John Campbell, who will speak on “The making of the Ernest Rutherford Documentary”.

The Nobel Prize was awarded to Ernest Rutherford in 1908 "for his investigations into the disintegration of the elements, and the chemistry of radioactive substances." It is seldom appreciated that Rutherford carried out this research whilst at McGill University from 1898 to 1907, making his the first award of a Nobel Prize for research carried out in Canada.

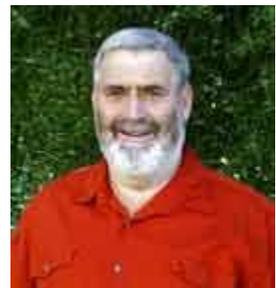
This presentation will describe the making of a documentary on Ernest Rutherford. Rutherford showed that the atom had a nuclear structure, developed a detector to detect individual radioactive decays, proposed that the neutron had to exist, was the first to split the atom, and led the group who built the first particle accelerator to artificially induce a nuclear reaction.

John Campbell, the author of Rutherford Scientist Supreme and [www.rutherford.org.nz](http://www.rutherford.org.nz), has recently retired from teaching physics at the University of Canterbury, New Zealand, where Rutherford obtained his first three degrees. Dr. Campbell was convenor of the Rutherford Birthplace Project in New Zealand, initiated and runs the Ask-A-Scientist programme, and has several awards for communicating science to the public. His current project is the first ever documentary on Rutherford. The Canadian Nuclear Society is the only Canadian Principal Patron of this 3-part series. The presentation will include excerpts from the documentary, a Q&A session afterward, and a presentation on "Rutherford's Path to the Nuclear Atom" as 2011 is the centennial of the Rutherford Nuclear Atom.

**Professor John Campbell (retired)**  
**University of Canterbury**  
**New Zealand**



Wednesday, September 14, 2011  
7:00 p.m.  
Bennett Room, J.L. Gray Building  
20 Forest Ave., Deep River  
(come to the back door)



*Further information: 613-584-8811 Ruxandra Dranga (46856) or Geoff Edwards (43247), or Blair Bromley at 613-584-1518*