



***Rotary Club of Carleton Place  
and Mississippi Mills***

**Meeting of December 7<sup>th</sup>, 2009**

President Michael Jeays called our small, enchanted, group to order. Louise, his charming better-half, solemnly read Grace. Following some long few minutes, we finally managed to put in our supper requests. This method will be modified next week IF WE REPLY TO LOUISE'S REQUEST FOR SUGGESTIONS. PLEASE DO SO AT YOUR EARLIEST CONVENIENCE.

The decision was made to face the Canadian flag for our dignified rendition of O Canada. -

We decided, unanimously, to CANCEL THE DECEMBER 28<sup>th</sup> MEETING, BUT, TO RETURN JANUARY 4<sup>th</sup>, 2010.

A report, from Marion, on our Seniors' Dinner, indicated that all who attended were extremely pleased with the meal and the evening. The meal was priced at 11.72\$ per plate, with the full price being 15\$, for a grand total of 1395\$. IT WAS THEREFORE DECIDED THAT THE MEMBERS WOULD NOT PAY FOR THEIR MEAL. Congratulations went to Marion for her organizational skills.

Mike read the amended paragraphs of the Club's By-Laws: -- the same member may serve as Vice-President and President-Elect;

-- a specific resolution may be voted upon by balloting via mail or e-mail;

-- a paragraph was added regarding the Donations Committee;

-- a paragraph was also added relating to the Registered Charity A VOTE SHALL BE

HELD NEXT WEEK ON THE AMENDED BY-LAWS. IT IS IMPERATIVE THAT ALL WHO WISH TO DISCUSS THE AMENDMENTS AND VOTE WHETHER OR NOT TO ACCEPT THEM BRING THEIR COPIES.

Nominations are required for the office of President-Elect, for the Rotary Year 2010 - 2011, and the vote MUST take place PRIOR to December 31st, 2009.

Bernie gave Dave Batchelor of the RC of Perth the used prescription glasses. Arianne Carrierre, the 2010 RI Conference Volunteer Co-ordinator stated at the WCS Conference, Saturday, December 5<sup>th</sup>, that she has, to date, 329 committed volunteers. She needs at least a total of some 774 to adequately serve the Conference. Should you wish to volunteer, please use the contact e - mail: hoc-volunteers@rotary.com. Registration sheets for events are available, the House of Friendship Only Form (50\$ US) and the One-Day Registration Form (195\$US). I will pass on these forms to Mike. Early registration for the Conference, Dec. 15<sup>th</sup>, is 2954US, the 2<sup>nd</sup> deadline is March 31<sup>st</sup>, 395\$US and the 3<sup>rd</sup> deadline, May 31<sup>st</sup> is 425\$US.

Our guest speaker was Don Wiles of Carleton U., an expert on nuclear waste fuel disposal. His education background is extensive, having studied at Mc Master, MIT, Uof Oslo, Institutul de Fisica Atomica in Bucharest, and in Germany at the Kernforschungszentrum Karlsruhe Institute. The nature of radioactivity and nuclear reactors are not, of themselves, critical to a discussion of nuclear waste disposal, but do play a minor role. Hence, he concentrated his presentation on the waste disposal aspect only. His discussion centred on 3 topics, namely, the problem of nuclear waste disposal, the proposed Canadian ( AECL ) model, and finally, the expected results. He gave us a very brief schematic presentation of nuclear fission, ie, what happens to an atom nucleus when it breaks down: mass-energy conversion, nuclear instability, radiation and

half-life. The distinction between radiation internal and external to the human body was mentioned: the external body radiation effects on the human body are almost negligible, while those internal to the body do the most harm, with effects on the liver, the thyroid, bone marrow, and other vital organs. The components of a nuclear reactor were presented: fuel, cladding, coolant, modulator, container, control-rods, and reactor poisons. The issue regarding nuclear reactors is the disposal of the waste materials that cannot be re-processed. There are several methods available to do this, however, the Canadian model seems to be the most prominent. This requires a multi-barrier concept within intact rock, known as pluton (an intrusive igneous rock body that crystallized from magma slowly cooling below the surface of the earth) at a depth of about 700m. The full discussion can be read in his book " The Chemistry of Nuclear Waste Disposal ", a laymans' guide to the discussion.

Happy Dollars were donated by Marion, Brian, David McG, Robert, Bernie.

The 50/50 draw was won by Bernie.

Meeting adjourned circa 8:00. PS: modifications should be addressed to Mike and presented next week.