

# THE OLIVE BRANCH



## Physics and Maritime History Come Together In Unique Field Trip by Mount Allison University Students

Medical Physics students recently joined the quest for peace learning about another physicist, Sir Joseph Rotblat. Dr. Rotblat was a world-class nuclear physicist who received the Nobel Peace Prize for his many years leading the Pugwash Conferences on Science and World Affairs. Sir Jo, as he was called by his friends, was the first Honorary Patron of the Pugwash Peace Exchange (PPE).

From nearby Mount Allison University, students retraced steps through Thinkers' Lodge of Cyrus Eaton, Dr. Joseph Rotblat and other founders of the Pugwash Movement. And yes, our Pugwash Thinkers' Lodge hosted the original conference delegates. Candles for peace were lit at the Lodge by the founders in 1957, foreshadowing the many nuclear treaties they influenced and led throughout the 1960s and '70s. The Nobel Peace Prize honored their work to contain and to reduce the number and type of nuclear weapons in the arsenals of warring nations. Each of the students were able to see and handle the Nobel Peace Medallion bequeathed by

Sir Joseph Rotblat to the PPE.

While in the Thinkers' Lodge the students were engaged and offered opinions concerning the proposed PPE interpretive center. The new building would contain exhibits and dioramas on the five constituents of peace known as the Human Security Agenda: Nuclear Disarmament, Democracy, Human Rights, Economic Development and Environmental Protection.



PPE Board Director, Bob O'Connell with students in Dr. David Fleming's medical physics class at the Thinkers' Lodge in Pugwash NS.

### 2009 Newsletter



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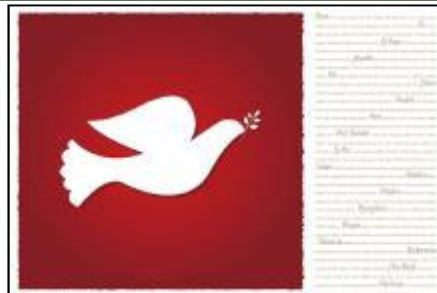
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## Holiday Cards for Sale

Are you looking for the perfect card to send this holiday season?

Send a message of "Peace" with these beautiful cards, featuring a peace dove holding an olive branch — ancient symbols of peace.

These unique cards are just \$10/package of 10, plus shipping and handling. To purchase yours, contact us today at (902) 243-2328 or at [mail@pugwashpeaceexchange.org](mailto:mail@pugwashpeaceexchange.org)



Inside text:

### Be Green!

If you wish to receive this newsletter online instead of by mail, please contact our office. Thank you!



# Pugwash Youth Peace Exchange

## *Empowerment through Recruiting*

After much discussion about the Pugwash Peace Exchange program priorities earlier this year, we have decided to increase our focus on youth empowerment and begin recruiting other high schools to join the Pugwash Youth Peace Exchange within their own school. Over the summer we met with some interested high school students and eager teachers from various high schools to assist with our planning. The Pugwash Peace Exchange will continue to mentor the local Pugwash Youth Peace Exchange (PYPE) group at the Pugwash District High School but will now also support other high schools in the Maritimes that wish to start a PYPE group of their own. We hope soon to include at least two schools in our effort this fall and have already connected with students across Nova Scotia, Prince Edward Island and New Brunswick.

We are also working with teachers and faculty at our local schools to support a new student initiative. More information on these upcoming 2010 projects will be found in the Spring Olive Branch Newsletter.



## *DID YOU KNOW???*

### **50 FACTS ABOUT NUCLEAR WEAPONS (PART 5 OF 5)**

**41.** Volume in cubic meters of radioactive waste resulting from weapons activities: **104,000,000**

U.S. Department of Energy; Institute for Energy and Environmental Research

**42.** Number of designated targets for U.S. weapons in the Single Integrated Operational Plan (SIOP) in 1976, 1986, and 1995: **25,000** (1976), **16,000** (1986) and **2,500** (1995)

Bruce Blair, Senior Fellow, The Brookings Institution

**43.** Cost of January 17, 1966 nuclear weapons accident over Palomares, Spain (including two lost planes, an extended search and recovery effort, waste disposal in the U.S. and settlement claims): **\$182,000,000**

Joint Committee on Atomic Energy Interoffice Memorandum, February 15, 1968; Center for Defense Information

**44.** Number of U.S. nuclear bombs lost in accidents and never recovered: **11**

U.S. Department of Defense; Center for Defense Information; Greenpeace; "Lost Bombs," Atwood-Keeney Productions, Inc., 1997

**45.** Number of Department of Energy federal employees (in 1996): **18,608**

U.S. Department of Energy, Office of Worker and Community Transition

**46.** Number of Department of Energy contractor employees (in 1996): **109,242**

**47.** Minimum number of classified pages estimated to be in the Department of Energy's possession (1995): **280 million**

**48.** Ballistic missile defense spending in 1965 vs. 1995: **\$2,200,000,000 vs. \$2,600,000,000**

U.S. Nuclear Weapons Cost Study Project

**49.** Average cost per warhead to the U.S. to help Kazakhstan dismantle 104 SS-18 ICBMs carrying more than 1,000 warheads: **\$70,000**

U.S. Nuclear Weapons Cost Study Project; Arms Control Association

**50.** Estimated 1998 spending on all U.S. nuclear weapons and weapons-related programs: **\$35,100,000,000**

Sources: Richard G. Hewlett and Oscar E. Anderson, Jr., *The New World: A History of the United States Atomic Energy Commission, Volume 1, 1939/1946* (Oak Ridge, Tennessee: U.S. AEC Technical Information Center, 1972), pp. 723-724; Condensed AEC Annual Financial Report, FY 1953 (in *Fifteenth Semiannual Report of the Atomic Energy Commission*, January 1954, p. 73); U.S. Nuclear Weapons Cost Study Project; Maj. C.D. Hargreaves, U.S. Army Corps of Engineers Ballistic Missile Construction Office (CEBMCO), "Introduction to the CEBMCO Historical Report and History of the Command Section, Pre-CEBMCO Thru December 1962," p. 8; U.S. Army Corps of Engineers Ballistic Missile Construction Office, "U.S. Air Force ICBM Construction Program," undated chart (circa 1965); Natural Resources Defense Council, Nuclear Weapons Databook Project; *History of the Custody and Deployment of Nuclear Weapons, July 1945 Through September 1977*, Prepared by the Office of the Assistant Secretary of Defense (Atomic Energy), February 1978, p. 50 (formerly Top Secret)

# Thank You!!!

We've accomplished a lot this year, and we need your help to keep the momentum going!

The Pugwash Peace Exchange has just launched its annual operating campaign. If you are a current Pugwash Peace Exchange member, you should have received a letter from us, asking for your support.

This campaign's goal is to raise \$50,000 — funds which will be used towards the day-to-day expenses of running our office and continuing the work that we have done towards establishing a facility that will foster learning and passion for peace, while contributing towards economic development in our province.



**As of October 30th, you have donated \$18,930 to help support our organization and its goals.** This is a sizeable portion of our goal, and we truly appreciate the overwhelming level of support that we have received from you, our members.

Your donations will allow us to continue working towards the construction of a world-class interpretive, educational and research facility where all visitors, from student, to diplomat, to activist, can learn more about peace and how to cultivate it.

We also want to thank our many anonymous donors for their generosity. We apologize if anybody has been omitted from (or included on) this list in error.

## **Our supporters (from Sept. 1/09 to Nov. 16/09):**

Adrienne Leahey  
Al & Anne Gillis  
Al & Gaby Rosen  
Allen & Coleen Colpitts  
Bala Mehta  
Barbara Fowlie  
Ben & Tamara Lorincz  
Bill & Carol Church  
Carl Purdy  
Carl Boyd  
Cecil & Mae Saunders  
Clarence & Hazel Felderhof  
David Mehta  
David Stevenson  
Dianne Elliott  
Doug Hunt  
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Evie Coates  
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Fred & Marilyn Horton  
Greta Dow  
Harold & Donna Murray  
Bob & Helga Mills  
Helmut Burkhardt  
John & Jean Farrell  
Joan Forshner  
Joyce Dow  
Karolyn Waterson  
Kathleen Zwicker  
Lesley Read  
Linda Longmire  
Linda MacLean  
Maureen & Douglas Leahey  
Mike & Lily Falk

Mike & Lynne Lester  
Millard Charman  
Narsi Ghorban  
Norma Langille  
Paolo & Sandi Brenciaglia  
Peter & Barbara Duke  
RBC Royal Bank  
Reginald Weiser  
Robert & Carol Hyslop  
Robert & Marsha Mann  
Ron & Virginia Hall  
Sita Krishnaswamy  
Victor Dorey



If you have not yet donated to the Pugwash Peace Exchange's 2009 campaign, now is the time! **If we receive your donation prior to December 18th, not only will you receive a 2009 tax receipt, but your donation will be matched 50% by an anonymous donor!** Your dollar will stretch farther than you thought possible!

To donate, please contact us at (902)243-2328 or at [mail@pugwashpeaceexchange.org](mailto:mail@pugwashpeaceexchange.org). You can also donate via our website, [www.pugwashpeaceexchange.org](http://www.pugwashpeaceexchange.org).

**THANK YOU!**

# WE HAVE MOVED!

The Pugwash Peace Exchange office is now in a new location!

Our new office is now located in the brick building (upstairs) at 82 Water Street, at the corner of Victoria St. and Water St.

We encourage you to come and pay us a visit in our new location, whether it's to ask us questions about the PPE project, to peruse our many gift shop items, or even just to stop by and say hello.

The Pugwash Peace Exchange would like to express its most sincere appreciation to Paolo & Sandi Brenciaglia for the long-time use of our former office in the Eaton-Webb Guest House, and would like to thank our new landlords, John Caraberis and Bonnie Bond for the very warm welcome that has been extended to us.

We will be hosting an open house during Christmas by the Sea on Friday, December 4th from 1pm - 4pm. Hope to see you there!



## Calling all Volunteers!

We're always looking for people to help out at our events, especially our July conference and dinner. Every extra set of hands is greatly appreciated, and you can donate as much or as little time as you wish.

To volunteer for our upcoming July events, please contact us at 243-2328 or [mail@pugwashpeaceexchange.org](mailto:mail@pugwashpeaceexchange.org).

## Upcoming Events

Come celebrate this joyous season at the PPE's annual holiday party hosted by Stephen & Dennice Leahey.

This is a great event where members, guests and potential members can meet, mingle and celebrate the season.



### Halifax Party

Date: Friday, Nov. 27th  
Time: 7pm to 9pm  
Call for location

### Pugwash Party

Date: Friday, Dec. 4th  
Time: 7pm to 9pm  
Call for location

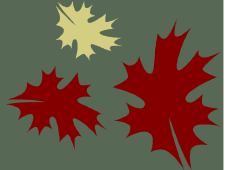
To R.S.V.P or for more information, please contact the Pugwash Peace Exchange office at (902) 243-2328 or at [mail@pugwashpeaceexchange.org](mailto:mail@pugwashpeaceexchange.org).

*Please support your community by bringing along a food bank donation.*

## Next Issue Highlights

*One of our active volunteers is working on engaging elementary students to play an active role in next year's conference.*

*Tom Forrestall believes that the arts, including painters, musicians, poets and novelists, have very much to bring to the message of peace in the world. He, along with the Board and Advisors of the PPE, will be exploring ways to highlight and engage the arts in our work.*



Special thanks go out to our members at Contributing level and above:

Contributing:  
Pamela Williams  
Sharon Madill  
Michael Dworkind  
Doris Robbins

Sustaining:  
Stephen & Dianne  
Beaufoy

## THANK YOU TO OUR 2009 EVENT SUPPORTERS!



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