# Curriculum Vitae - Gordon Edwards

January, 2022

Personal:	_		,	
<b>Born:</b> July 18, 1940, Lansd	lowne, On	tario	Citizenship: Canadi	an
<b>Education:</b>	_			
Queen's University		h.D.	Mathematics	1972
University of Chicago		I.A.	English Literature	1964
University of Chicago		I.S.	Mathematics	1962
University of Toronto	В.	.Sc.	Mathematics & Physi	ics 1961
- Academic Awards -				
University of British Col				
National Research Council	Post-Doctor	al Fellowship		1972
Queen's University:				4.054
Queen Elizabeth II Doctoral				1971
Canada Council Doctoral F		111. :		1970
National Research Council	Doctoral Fel	uowsnip,		1969
University of Chicago: U. of Chicago Teaching Fello	oznahin			1962-63
Woodrow Wilson Fellowshi				1961
University of Toronto:	Ρ'			1701
Gold Medal in Mathematics	s and Physic	'S.		1961
Arthur W. Anglin Memoria				1960
First Agnes Kelly Award in				1957
- Non-Academic Awards -				
Peace Quest – named one of	f 150 Canad	lian Peacem	akers	2017
YMCA Peacemaker Medalli	on Award			2014
The Rosalie Bertell Lifetime	Achieveme	ent Award		2007
The Nuclear Free Future Award, Window Rock, Arizona			2006	
White Owl Conservation Award 1985			1985	
<b>Teaching Experience</b>				
- College and Undergraduate U	niversity -	_		
Vanier College			ics and Science	1974 to 2010
Concordia University	Environn	nental Studi	es	1974 to 77
U. of British Columbia		Calculus and Vector Geometry, 1972,		
Queen's University	1 , 0			1969 to 72
University of W. Ontario				1962 to 64
University of Chicago			Logic, Calculus	1962 to 64
University of Toronto	Differenti	iai Equation	s for Engineers	1960/61
- Honorary Appointments -				
Concordia University,	Adjunct I	Professor of	Science & Human Affair	rs 1976 to 79
- Post-Graduate Courses -				
Concordia University			(Masters level course)	1976
McGill University	Biology in	n Society	( Masters level course )	1977
Work Experience ( non-teach	hing)			
- Appointments -				
Science Council of Canada	Na	ition-wide st	tudy of Math in Canada	1973/74
Fire Marshal of Ontario		_	ing Rod Inspector	1958 to 61

- Consulting Work -		
South Bruce Citizens Liaison Cttee surface risks of handling used nuclear fuel		2020
Hornepayne Citizens Liaison Cttee new thoughts on high-level nuclear waste,		2019
Manitouwadge Citizens Liaison Cttee health dangers of nuclear fuel waste,		2018
Hornepayne Citizens Liaison Cttee technical challenges of Nuclear Fuel Waste,		2018
Environmental Law Association health issues re uranium fuel fabrication [CA	.RN]	2020
Citizens of Renfrew County radioactive liabilities at Chalk River Labs		2019
Ontario Clean Air Alliance nuclear waste management, Pickering NGS		2017
Citizens of Renfrew County legacy nuclear waste at Chalk River Labs		2016
Auditor General of Canada, performance audit - Atomic Energy Control Bo	ard	2015
Citizens of Renfrew County licence extension hearings, Chalk River Labs		2011
Mouvement vert Mauricie 3 critical analyses, Darlington New Build		2011
Mining Watch Canada critique of EIS for Matoush Uranium project		2010
Serpent River First Nation workshop: health hazards of uranium mining		2009
Conférence régionale des élus medical aspects of radionuclides and		
de la Côte-Nord impacts of uranium exploration and mining	r •	2009
Nunavut Planning Commission, issues on uranium exploration and mining		2007
Congress of Aboriginal Peoples, issues on high-level radioactive waste	2006	& 07
Inuit Tapiriit Kanatami (4 times) background on high-level rad waste	2006	
Chippewas of Nawash First Nation, dry storage of irradiated nuclear fuel		1998
Ontario Siting Task Force, looking for a home for Port Hope radwaste	1990	<b>&amp;</b> 93
Canadian Environmental nuclear power, uranium & radioactivity, plus		
Advisory Council (CEAC), associated health & environmental issues	1990	to 92
National Film Board of Canada, "Uranium" ~ research related to film (60 m)		1990
Energy Mines & Resources, "Energy Options" ~ public consultation produced	cess	1987
U.S. NRC Safety & Licensing Board deterioration at the Turkey Point reactor (Mi		1985
Auditor General of Canada, comprehensive audit - Atomic Energy Control	Board	1985
National Film Board of Canada, "Speaking Our Peace" ~ documentary film (	30m)	1985
National Film Board of Canada, energy policy & uranium mining 1978, 84	<b>1-</b> 85, 8	88-90
C.T.V. television network, depleted uranium and nuclear weapons		1985
T.V. Ontario (Toronto), nuclear safety issues in Ontario [TV series]		1984
Prince Edward Island externalities of the Point LePreau nuclear		
Electric Power Inquiry, power plant in New Brunswick		1982
Select Committee on Ontario reactor meltdowns, uranium processing issue	2S,	
Hydro Affairs (Legislature) and radioactive waste management options	197	8/79
Ontario Royal Commission reactor safety, radioactive waste, reprocessing	, ,	
on Electric Power Planning, and cross-examination of experts (5 months		7/78
Consumer & Corporate Affairs, nuclear economics in Canada	197	77/78
United Steelworkers of America, radon exposure standards for new homes	197	77/78
Science Council of Canada, consultant on radiation health effects,	1977	& 78
C.B.C. "The Nature of Things", long-term health effects of atomic radiation,		1977
Cluff Lake Board of Inquiry on issues related to the uranium fuel chain		
Uranium Mining (Saskatchewan), and cross-examination of experts (5 weeks)		1977
- Invited Testimony to Legislative Committees -		
House of Commons Standing Committees:  Natural Resources Committee, on the status of Canada's nuclear industrials.	twi i	2016
Natural Resources Committee, on the status of Canada's nuclear indus.  Natural Resources Committee, on radioactive steam generator transpor		2010
Natural Resources Committee, on the isotope production crisis	ı	2008
Natural Resources Committee, on nuclear liability and compensation		2008
Foreign Affairs Committee, on plutonium and the MOX initiative		1998
Energy Mines and Resources Cttee, on nuclear energy and sustainability		1991
Environment and Forestry Cttee, on high level radioactive wastes		1987

Consumer & Corporate Affairs,	on issues related to food irradiation	1987
Commission permanente de l'énergie et	des ressources de l'Assemblée nationale,	
1		1983
Legislative Assembly of the Northwest	,	
J J		)/81
Energy Committee of the New Brunswic		
	on CANDU reactor safety analysis	1979
House of Commons Standing Committe	e on National Resources & Public Works,	
	on the management of irradiated nuclear fuel	1978
Commission permanente de l'énergie et	des ressources de l'Assemblée nationale,	
	$\sim$	1977
Prince Edward Island Legislature,	on nuclear power issues in the Maritimes	1974
- Expert Sworn Testimony -		
US Federal court, Lansing Michigan	transport of weapons plutonium to Canada	2000
Federal Court, Ottawa	1 2 1 1	1999
DFAIT, Gov't of Canada, Ottawa		1999
National Energy Board, N. Brunswick	<i>J</i>	1980
US Atomic Safety & Licensing Board		1985
Select Committee on Ontario Hydro		9/80
Royal Commission on Electric Power	radioactive waste and reactor safety 1977	
Cluff Lake Inquiry on Uranium Mining	weapons proliferation, health, reactor safety 1	977
- Testimony at Environmental Assessment		
Quebec BAPE hearings on uranium		2014
Deep Geologic Repository: Kincardine	critique of OPG EIS, for the LILW DGR 2013	
Darlington New Build - CEAA hearings	, ,	2011 2010
Joint EA hearings: Matoush U project	1 3	2010
Federal hearings: Midwest U project Quebec BAPE hearings on Gentilly-2	1 2	2007
Federal hearings on BRUCE spent fuel		1998
US DOE hearings on MOX transport	3 0 3 0	1997
Seaborn hearings on used nuclear fuel	AECL's proposed geologic repository (HLW) 19	
Federal hearings on radioactive tailings	proposed Elliot Lake decommissioning	1996
Joint hearings on <i>Projet Grande Baleine</i>	, , , ,	1995
BAPE hearings, Gentilly-2 nuclear waste	3 0 3 0	1994
Joint hearings on Sask. Uranium Mines	0 0	1993
Federal hearings on Eldorado project	uranium refinery (UO <sub>3</sub> plant) 1978,	
Federal hearings on Brinex project	1 1	1979
Elliot Lake hearings on radon in homes	re-analysis of lung cancer risk data	1978
- Interventions at Licensing Hearings –	1 6 11	2017
Chalk River Laboratories under CN:	1 &	2017
Darlington, Bruce and Pickering NPPs	C 1	2015
SRB Technologies, Pembroke Ontario	e e	2015
US DOE hearings on MOX transport		1997
Federal hearings on spent nuclear fuel		0-97 1996
Federal hearings on radioactive tailings Joint hearings on <i>Grande Baleine</i>		1996
BAPE hearings on Gentilly II		1993
Joint hearings on Sask. Uranium Mines	, , ,	1993
Federal hearings on Eldorado project	uranium hexafluoride refinery 1978,	
Federal hearings on Brinex project		1979
Elliot Lake hearings on radon in homes	1 1	1978

- Volunteer Work -		
World Social Forum (Montreal)	Planning Committee	2016
World Uranium Symposium (Quebec City)	Planning Committee	2015
Green Energy Conference (Montréal)	<b>Executive Director</b>	1989 to 90
Vanier College (Executive Committee 1990)	Board of Directors	1987 to 90
Canadian Peace Alliance	Steering Committee	1987 to 89
Integrated Science Program, Vanier College	Academic Council	1985 to 87
Integrated Science Program, Vanier College	Program coordinator	1985 to 87
Canadian Coalition for Nuclear Responsibility	Chairman & President	since 1975
SURVIVAL (international ecology magazine)	English edition editor	1970 to 74
Publications		
- Mathematical Publications -		
My Encounter with Grothendieck, Mathematical In		2017
Background Study No. 26, A.J. Coleman, G. Edwa		107/
final report of Mathematics Study, Science Co		1976
Mathematical Sciences in Canada, A.J. Coleman,		1975
preliminary report of Mathematics Study, Scier Mathematics in Today's World, ed. G. Edwards, pu		
Proceedings of Three Ottawa Conferences: I. N		
II. Mathematics, Statistics & the Environme		
(limited editions; copies deposited in all Ca		1974
"Beverton-Holt Model of a Commercial Fishery		
C. Clark, G. Edwards & R. Friedlaender, Jou	rnal of the Fisheries Research Bo	oard 1974
"Primitive Elements in Symmetric Algebras," Ca		1974
Lie Algebras of Infinitesimal Group Schemes, Qu		s, 1972
An Introduction to Lie Algebras, Gordon Edwards		
Queen's Papers in Pure and Applied Mathemat	ics (Queen's University Press)	, 1970
- Non-Mathematical Publications -		
Health Implications of Fuel Pelleting in Peterbo	orough, CELA publication	2020
Regulating Liabilities at Chalk River – a Nuclea		2016
Canada and the Bomb, Past and Future – Canad		2014
"Radiation is Invisible – but must the facts be hi		2010
A Critique of the Strateco EIS for the Mator		2010
"Following the Path Backward", A Critique of the entitled "Choosing a Way Forward", CCNI		2005
Uranium: A Discussion Guide, National Film Bo		1991
"Nuclear Wastes: Past and Present", Challenges t		1,,1
Proceedings of the Nuclear Waste Issues (		1987
"Canada's Nuclear Trade," in Roots of Peace, pub		ıl),
ed. E. Schragge, R. Babin, J-G. Vaillanco		1986
"Fuelling the Arms Race", Ploughshares Monitor,		1985
L'Energie: un choix à faire, par G. Edwards et al.		llance
du nucléaire, presenté à la Commission per		Eab 1002
ressources, de l'Assemblée Nationale du		Feb 1983
"The Myth of the Peaceful Atom", in Canada and ed. Ernie Regehr & Simon Rosenblum, I		1983
"Canada's Nuclear Dilemma", in <i>Energy: Ethics</i> ,		1703
Journal of Business Administration, vol.		1982
Risks Associated with the Purchase of Electricity fro		
presented to Prince Edward Island Electric		June 1982

Nuclear Wastes: What, Me Worry? Again? updated report, presented to the House of Commons Standing Committee on Environment and Forestry, Feb	1987
Estimating Lung Cancers, summary of evidence presented to Elliot Lake	170.
Environmental Assessment Board on radon standards, CCNR publication,  – expanded and updated version –	1978 1985
Cost Disadvantages of Expanding the Nuclear Power Industry,	2700
Conference Board of Canada, Canadian Business Review, v. 9, n. 1, Spring	1982
Nuclear Safety: Two Critical Papers, CCNR publication,	1980
Findings on Uranium Tailings & Nuclear Waste Disposal, ed. G. Edwards, March	
Nuclear Wastes: An Overview, transcript of testimony to the Select Committee	
on Ontario Hydro Affairs, CCNR publication,	1979
Nuclear Safety in a Canadian Setting, CCNR publication, presented to the Select Committee on Ontario Hydro Affairs, December	1079
Summary Argument to the Ontario Royal Commission on Electric Power Planning,	1976
	il 1978
(I. The Nuclear Debate: A Metaphorical Framework; II. CANDU Safety.)	11770
Nuclear Wastes: What, Me Worry? presented to the House of Commons Standing	
Committee on National Resources & Public Works, CCNR pub., February	v 1978
L'Energie, par G. Edwards et al. du Regroupement pour la surveillance du nucléaire presenté à la Commission permanente de l'énergie et des ressources,	, 1770
Assemblée Nationale du Quebec, publication du RSN, February	1077
Time to Stop and Think, brief to Prime Minister Trudeau, CCNR publication, March	
Non-Nuclear Futures for Ontario, Edwards, Hénaut & Rosenberg, CCNR September	19//
Science and Life, an anthology of teaching guides for HS Chemistry teachers,	1976
ed. G. Edwards, pub. Concordia University,	
Nuclear Power: A New Dimension in Politics, <i>Alternatives</i> , Trent Univ., Summer	1970
Nuclear power: Fact and Fantasy, includes speeches by	
A. Bateman ( Manitoba Hydro ), G. Edwards ( CCNR ), R. Hart ( AECL ), and A. Lansdowne ( MEC ),	
published by the Manitoba Environmental Council,	1975
SURVIVAL international ecology action magazine (nos. 1-14), ed. G. Edwards, 1970 Various articles on energy & nuclear power in the Globe and Mail, Toronto Star,	10 /4
Montreal Gazette, Le Devoir, and La Presse., some co-authored.	
Major Invited Addresses	
Uranium, the shape-shifter, Nuclear Energy Information Servuces (Chicago)	2022
Uranium – premises, promises, & predicaments, Saskatoon Public Library	2021
Small Modular Reactors – the historical context, CRED-NB (New Brunswick)	2020
Radioactive Wastes and First Nations, UN Permanent Forum on Indigenous Issues (NYC)	2018
Keynote Address, Regional Forum on Reactor Decommissioning (Garrison NY)	2017
The Age of Nuclear Waste: From Fukushima to Indian Point (Westchester NY)	2017
The Health Dangers of Uranium Mining, Greenland Symposium (Narsaq GL)	2016
Nuclear Power, Nuclear Weapons, and Uranium, World Social Forum (Montreal QC)	2016
Uranium, Radioactivity and Ionizing Radiation, IPPNW (Johannesburg, SA)	2015
Nuclear Fuel Waste: Questions and Challenges, CLC-NWMO (White River, Ontario)	2015
Uranium: The Canadian Story, World Uranium Symposium (Quebec City)	2015
Nuclear Fuel Waste: History and Prospects, CLC-NWMO (Schreiber, Ontario)	2015
<i>Uranium – its Uses and Dangers,</i> Association of First Nations of Quebec & Labrador	
Seminar re. Environmental Assessment Hearings (Wendake Quebec)	2014
Nuclear Waste Governance in Canada, 19th Annual Meeting of the REFORM Group,	
Week-long seminar at Leopoldskron, (Salzburg Austria)	2014
· 1 0/	2014
In a Nuclear Weapons-Free World, Can We Still Have Nuclear Power?,	0012
Science-for-Peace/Pugwash Annual Lecture (Toronto, Ontario)	2013

Nuclear Labyrinth on the Great Lakes, keynote address, Nuclear Power and the Great Lakes Conference (Huron, Ohio),	2012
Nuclear Power – Challenges and Choices, keynote address, Fukushima Anniversary	2012
"Nuclear Labyrinth in Asia" conference (Hong Kong), Will Saskatchewan Host Ontario's Nuclear Waste?, (Pinehouse, Saskatchewan)	2012
Healing the Planet, keynote address, Physicians for Global Survival Conference (Montreal),	2009
From Uranium to Isotopes to Bombs, keynote address,	2000
Physicians for Global Survival Conference (Ottawa),  Prescription for Survival, keynote address,	2009
Physicians for Global Survival Conference (Halifax),	2008
Nuclear Power: Hope or Hoax?, keynote address, University of Alberta (Fredericton),	2008
Uranium, the Shape-Shifter, keynote address (with Robert Del Tredici),	2007
"Nuclear Free Future" Conference (Salzburg, Austria), Radioactive Legacy of the Nuclear Age, keynote address (with Robert Del Tredici),	2007
"Coping with Nuclear Waste" Conference (Stockholm, Sweden), Global Importance of Uranium, keynote address,	2007
World Uranium Hearings (Salzburg, Austria),	1992
The Secret Life of Uranium, International Uranium Congress (Saskatoon),	1987
Legal Issues in Nuclear Waste Management, McGill University Law School,	1986 1986
Nuclear Wastes & Nuclear Weapons, Globescope 86, Tufts University (Boston), Nuclear Wastes in Canada, Past and Future, Nuclear Waste Conference (Winnipeg),	1986
Nuclear Waste Management: Problems and Policy Options, member of the Technical Panel, Vermont Public Interest Research Group (Montpelier),	1985
Issues of CANDU Safety, Dalhousie University Law School (Halifax),	1982
Legal Aspects of Nuclear Power, Canadian Bar Association (Saskatoon),	1981
Nuclear Debate, sponsored by the Canadian Institute of Public Affairs, Supreme Court Justice Howard Krever presiding, Apr	il 1978
Nuclear Wastes, SCITEC seminar for MPs and Senators (Parliament Hill),	1977
Nuclear Issues, Whiteshell Nuclear Research Establishment (AECL, Pinawa, MB), Energy Days, televised live from the Prince Edward Island Legislature,	1976 1976
Energy and People conference: Keynote Speaker, introduced by Robert Stanfield,	1975
- Television Features - (excluding news coverage)	
Nuclear Revival, on high-level radwaste and new reactors, APTN (50 min),	2020
Nuclear Courtship, 2-part documentary on high-level radwaste, APTN (50 min),	2020
The Fukushima Nuclear Crisis, a three-week series of 23 interviews on the Fukushima disaster featuring Gordon Edwards, CTV (90 min),	2011
The Nature of Things, special program on nuclear power featuring G Edwards and B Hawthorne (president of Bruce Power) CBC (60 min),	2010
The Nature of Things, special program on nuclear power and plutonium with G Edwards and A Mayman (ex-VP of AECL) CBC (60 min),	1998
Speaking Out, panel discussion with Edwards, the Ontario Energy Minister, and VP of the Canadian Nuclear Association, TV Ontario (90 min),	1986
Energy: Search for an Answer, one of a seven part educational series, produced by TV Ontario and Energy, Mines & Resources (30 min),	1984

The Evolution of Geometrical Thought, by G. Edwards, a series of five TV shows (30 min each), University of the Air (CTV), I. Ancient Discoveries; II. Curved Space; III. Geometry of Shadows; IV. Higher Dimensions; V. Topology: the "Rubber Sheet" Geometry.	1979
Quarterly Report on Energy, hosted by Barbara Frum,	ne 1979
The Watson Report, hosted by Patrick Watson, CBC TV (60 m), featuring G. Edwards et al on nuclear safety,	ay 1978
The Schulman File, hosted by Morton Schulman, City TV (60 m), featuring G. Edwards et al on nuclear issues,	1978
A Power Trip, G. Edwards et al on renewable energy, CBC Ideas (radio, 60 m),	1977
The Great Debate, hosted by Pierre Berton, featuring Gordon Edwards vs. Edward Teller, Global TV (50 m.) Octob	er 1974
Nuclear Debate, hosted by the B.C. Environmental Council and broadcast on cable TV from the Vancouver Planetarium (120 m.) Februa	ary 1973
- Audio-Visual Presentations -	
What is Nuclear Waste? [20m] prepared for members of the US Congress	2021
Nuclear Fuel Waste: Questions & Challenges [57m] Liaison Cttee (Schreiber ON)	2015
How I Became a Nuclear Skeptic [48m] The Green Majority (Toronto ON)	2015
Nuclear Dangers Update [90m] Montreal Press Club on Hiroshima Day	2012
Shipment of Radioactive Steam Generators [33m] Press Conference (Ottawa ON)	2010
Nuclear Power, Hope or Hoax? [90m] University of Alberta, Edmonton AB	2008
The Radioactive Legacy of the Nuclear Age [60m] Stockholm, Sweden	2007
Port Hope – Plans to Process Enriched Uranium [43m] Port Hope, Ontario	2004
The SLOWPOKE District Heating Reactor [2h] U of Saskatchewan, Saskatoon	1989
Cross-Examination of AECL Nuclear Safety Expert, [50m] video-taped at the	1977