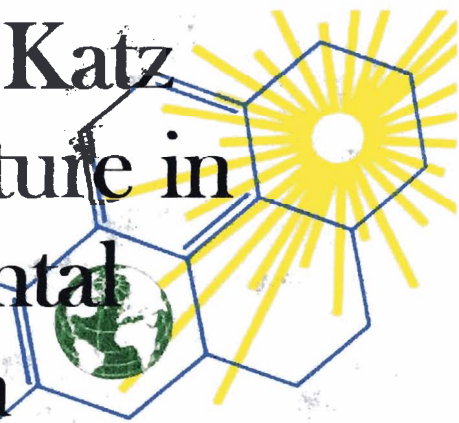


# 2002 Morris Katz Memorial Lecture in Environmental Research



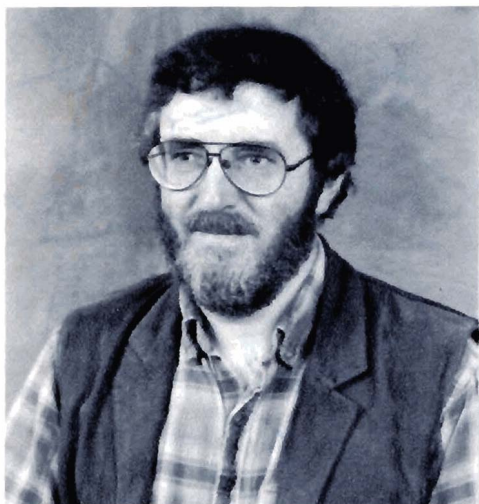
**Dr. Trevor Hancock**  
*Public Health Physician*  
*Health Promotion Consultant*

Energy Use, Transportation, Air Pollution and  
Health: From Science to Policy to Environmental  
Injustice and Urban Planning

**May 13, 2002**  
**2:30 p.m.**

**York University**  
**The New Computer Science Building, Lecture Hall "A"**  
**4700 Keele Street, Toronto**

**Centre for Atmospheric Chemistry**



## Abstract

The intensive use of energy is at the root of our modern industrial, urbanized society. It has brought us great benefits, but afflicts us with great costs, costs that we are only now beginning to recognize and count. At the outset of this Lecture, I will review some of the health impacts of energy use, both direct and indirect, with particular attention to the health impacts of climate change.

Next, I will focus on the health impacts of one form of energy use, namely our current transportation system. These effects include injuries and deaths, the health impacts of an inactive lifestyle, mental and social health impacts, and of course the health impacts of air pollution. With respect to the latter, I will give some attention to the issue of diesel exhaust, PAHs and lung cancer.

Many of these health effects are unequally distributed in the population, with those living in poverty more likely to be adversely affected. This environmental injustice is an issue I will address because I presume Morris Katz - who "believed in the equality of all people" - would have found it as disturbing as do I.

I will conclude the Lecture with a discussion, from my perspective as an environmental advocate and a pioneer of the global Healthy Cities and Communities movement, by going beyond the science to discuss the implications of these issues for public policy and, in particular, for urban planning.

## Biological Sketch

Dr. Trevor Hancock is a public health physician and has worked as an independent health promotion consultant since 1986. He has worked as a consultant for local communities, provincial and national governments, health care organizations and

the World Health Organization. His main areas of interest are health promotion, healthy cities/communities, healthy public policy, environmental health, health policy and planning, and health futurism. He has a longstanding interest in health and the environment, in the "conservator society" concept and the health and political implications of sustainable development. He is a founder and Chair of the Board of the Canadian Association of Physicians for the Environment and a founder of the Canadian Coalition for Green Health Care.

He has been actively involved in the public health movement in Canada, having been on the Board of Directors of the Ontario Public Health Association for a number of years, serving as President in 1986/7. Honours he has received include Honourary Life Membership in the Canadian Public Health Association (1990) and Life Membership in the Ontario Public Health Association (1999).

Dr Hancock was an Associate Medical Officer of Health for the City of Toronto from 1981 - 86. From 1986 to 2000 he held a part-time appointment as an Associate Professor in the Faculty of Environmental Studies at York University, where he taught graduate courses in health promotion, healthy cities, and health and the environment.

## The Lectureship Fund

The Morris Katz Lectureship was made possible by the establishment of an Endowment Fund created through contributions from his family, his friends, his colleagues, private companies, universities and government. It is intended that this lectureship become self sustaining. Major contributions in support of this year's lecture have been made by:

The Centre for Atmospheric Chemistry  
and  
The Ontario Ministry of the Environment

If you share in Morris Katz' enthusiasm and commitment to having a cleaner environment, please make a contribution to support this ongoing educational activity. Send your contribution in care of: The Morris Katz Memorial Lectureship, Centre for Atmospheric Chemistry, York University, 4700 Keele Street, Toronto, Ontario, M3J 1P3 Canada.

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