

CanGEA Honourary Member 2008 Dr. Trevor Lewis

Background

- Ph.D. in Geophysics, 1975 from the University of Western Ontario.
- Former Editor and Director of the Canadian Geothermal Energy Association
- Former Secretary of the International Heat Flow Commission of IASPEI.
- Employed for 34 years as a Physical and Research Scientist : Geological Survey of Canada
- With GSC: Head of the Cordilleran Geophysics Section and Acting Director of the Pacific Geoscience Centre (PGC); geoscientific research aimed at increasing our understanding of the geological history, processes, and hazards affecting Western Canada
- Current Owner/President of Sidney Geophysical Consultants Ltd on Vancouver Island.



Research

- Over 70 publications including 40 in refereed journals (geothermal and heat flow studies, applied geothermics to a diverse range of topics)
- Head of research: gamma spectrometry survey for heat production
- Gulf of Mexico: The edge zone of gas hydrate layer in the Gulf of Mexico
- Heat flow, heat generation, and crustal temperatures in the northern Canadian Cordillera: Thermal controls of tectonics
- Application of marine heat flow data important in oil and gas exploration
- Permeability, electrical resistivity, and thermal conductivity measurements (Hill area of the Middle Valley on the northern Juan de Fuca Ridge)
- Application of marine heat flow data important in oil and gas exploration
- Geophysical consequences of Cordillera–Craton thermal transition in southwestern Canada
- Travels: Worldwide Research (from Papua New Guinea to the Arctic, from Eastern Europe to his home in Western Canada)
- Recent research of ground temperature measurements and critical look at climate change research methodology

Character

- Pure research scientist: apt to question status quo, exceptionally conscientious
- Volunteer work and music with Salvation Army: dedicated to others.
- Father of three, dedicated family man
- Love for the outdoors and the understanding of the natural world

Quotes

“Some of the warming previously attributed to increases in greenhouse gases from industrial sources probably is due to land development. The Canadian government has accepted the fact that greenhouse gases are the cause of climatic warming, as a matter of faith, as the Globe and Mail says. This comes back to Olson’s argument of the political process rolling on. Politicians do not understand scientific methods, and expect a definitive answer by the time they specify, not when we are ready and able to answer.”

CanGEA thanks Dr. Trevor Lewis for his contribution to geothermal energy in Canada!