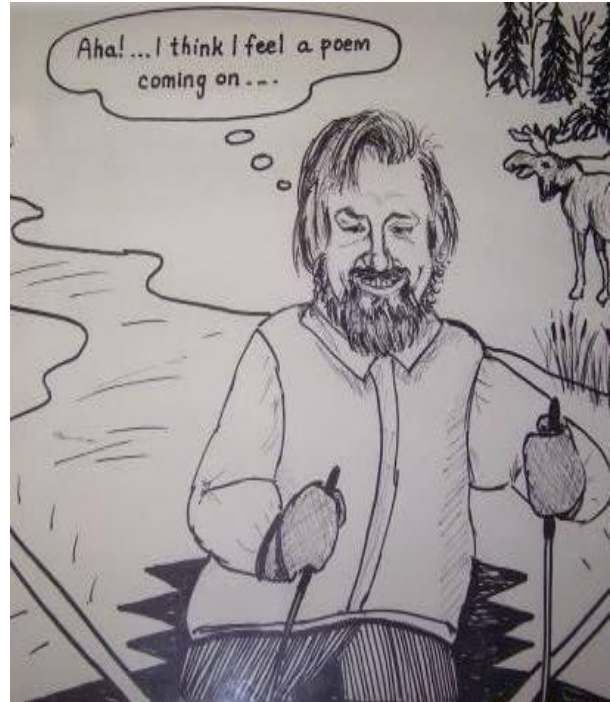


## Selected Papers by Mike Carver

### Introduction

Michael B. Carver, Bachelor of Mechanical Engineering, McMaster University 1963, Athlone fellow MSc in thermodynamics, University of Birmingham (UK) 1965, Ph.D Mechanical Engineering, University of Ottawa 1987.

Joined AECL, Chalk River Nuclear Laboratories in November, 1965 - chosen because of its location deep in the backwoods, on the OTTAWA river giving lots of opportunity for outdoor activities. AECL was then a great place to do 'Prestige R&D' and indulge in research in a number of fields. Mike traveled to nuclear conferences all over the Northern Hemisphere, giving presentations on his research. There was something about that atmosphere that made him publish poetry as well. And maybe it was the poet in him that came up with the computer code acronyms THIRST and ASSERT.



See also [https://www.researchgate.net/profile/Michael\\_Carver3](https://www.researchgate.net/profile/Michael_Carver3)

As a nuclear reactor relies entirely on fluid circuits for energy transfer, mathematical modeling of thermalhydraulic phenomena plays an important role in reactor design, development, safety and Dynamics (CFD) is, thus, of central importance to nuclear power plant systems. Mike spent his career improving CFD mathematical algorithms. His seminal contributions are given in the documents linked below