

# **Northeast Space Company**

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## ***Trajectory.....***

In 1988, prior to Northeast, Mr Buckingham co-founded Routes Astro Engineering Inc (recently acquired by Com Dev). He was Vice-President Business Development and over the next ten years helped small company grow to a stable 18 people and a regular yearly revenue of over \$2M. He also did hands-on technical work - as is typical with a start-up business. Projects included the OSIRIS atmospheric imaging spectrometer currently operating on Sweden's Odin satellite, technical support for payloads on three Shuttle missions. He supported Canada's portion of the ISS and was a member of the NASA-led Space Station Redesign Team in spring 1993, working and temporarily living in Washington D.C.

In 1976 Mr Buckingham became the 5<sup>th</sup> person to join the fledgling Canadian Astronautics Ltd (CAL) He was a minority-owner and a Member of the Board of Directors for several terms. His primary achievement at CAL was establishing the company's space hardware capabilities leading to the ultraviolet imager on Sweden's Viking satellite, which was Canada's first satellite scientific instrument after a decade and a half hiatus following the instruments on the ISIS satellites. The Viking imager led to many follow-on space instruments for CAL including the WINDII Michelson Interferometer developed in cooperation with AIT Corporation). He is a co-inventor of CAL's unique deployable UHF antenna for the UK's Skynet satellites, (which is still being supplied by MDA Corporation).

From 1971 through 1975 he was the structure and (for several years) solar array supervisor for the Canada Department of Communications - NASA cooperative Communications Technology Satellite (CTS a.k.a. Hermes) launched in 1975. Prior to that he was a junior satellite engineer at TRW Systems in Hermosa Beach, California where he participated in several civilian and military satellite projects.

He has written a number of technical papers and many reports and proposals, participates in several professional organizations and has been a university guest lecturer. He was co-Chairman of the very successful Canadian Aeronautics and Space Institute (CASI) Astro 2008 and 2010 Conferences. He grew up in New York City and holds a B.Sc degree from NYU and an M.Eng. degree from the University of Ottawa.