

John H. Duke

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Employment:

Independent hydrokinetic energy turbine design April 2009 – Present, see [Prov. Pat. Appl. July 16 2009](#)
Independent geoengineering research April 2007 – March 2009, see www.JohnDuke.com
Inner Space Services, Inc., South Casco, ME, April 2006 – May 2007
 Crewmember on hydraulic dredging project, Weymouth, MA (lead & arsenic remediation)
 Crewmember on Charles River Dam maintenance contract for Massachusetts DCR, Boston, MA
Independent industrial designer (SolidWorks CAD), August 1998 – April 2006,
 Contract designer for Wilton Industries, Inc., Woodridge, IL
 Manufacturer and designer of the Earthwise Clock™, a 24-hour rotating polar projection time display
WaterRower, Inc., Warren, RI, June 1984 – August 1998 sale of company (www.WaterRower.com)
 President and inventor of the WaterRower, a patented water flywheel indoor exerciser
 Zero reportable manufacturing injuries over entire history of company
 Four time winner of Consumers Digest Best Buy award. London Design Museum collection.
Navios Corporation, Greenwich, CT, June 1981 – June 1984 (Shipping subsidiary of US Steel Corp.)
 Responsible for negotiation of ship time charters and bulk commodity freight contracts
 Designed and programmed computer based graphic fleet scheduling program
 Created computer based simulation of Venezuelan iron ore transshipment facility
Interstate Ocean Transport, Inc., Philadelphia, PA, June-August 1980
 Authored market study and site analysis for US Atlantic Coast Roll On/Roll Off general cargo service
Gulf Oil Corporation, Corporate Planning Group, Boston, MA, July 1978 – April 1979
 Analyst
Composite Engineering, Watertown, MA, December 1977 – June 1978
 Racing shell builder

Patents:

“Resilient Serviceable Marine Turbine” [Provisional application July 16 2009](#)
“Flexion Extension Exerciser” [US Patent No. 6,602,168](#)
“Combined Scroll and Zoom Method and Apparatus” [US Patent No. 6,407,749](#)
“Improved Rowing Machine” [US Patent No. 4,884,800](#)

Writing:

[“Tidal-orbital pan-timescale mechanism of global cooling”](#) January 2009 unpublished manuscript.
 See also 2008, A Common Mechanism of Multi-timescale Abrupt Global Change. *Eos Trans. AGU*, **83**(47), Fall Meet. Suppl., [Abstract PP23C-1485](#)
[“Does winter monsoon convection during equatorially symmetric La Niña trigger glaciation by de-powering the Hadley Cell?”](#) Accepted May, 2008 for publication in *Climate of the Past Discussions*, withdrawn.
 See also 2008, “A tropical actuator of orbital control of glacial phase transition” *Eos Trans. AGU*, **89**(23), Jt. Assem. Suppl., [Abstract PP21A-03](#)
[“A proposal to force vertical mixing of the Pacific Equatorial Undercurrent to create a system of equatorially trapped coupled convection that counteracts global warming”](#) September 2007 unpublished manuscript.
 See also 2008, same title, *Geophysical Research Abstracts*, **10**, [EGU2008-A-10885](#).

Education:

M.S., Ocean Systems Management, MIT, 1981 (Concentration in sail-powered bulk commodity shipping)
B.S., Geology and Geophysics, Yale, 1977 (Thesis on New Haven CT scrap metal industry & growth of steel electric arc mini-mills)

Qualified US Green Building Council LEED Accredited Professional (new construction) November 2007
OSHA HazMat certified 2007