



William S. Nye, Ph.D.

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Education

Bachelor of Science in Mechanical Engineering, License # 21531 Cornell University, Ithaca NY	1977
PhD Honoris Causa, Doctor of Humane Letters, Johns Hopkins University, Baltimore MD	2008
Honorary PhD, Goucher College, Washington DC	2000
Honorary PhD, Rensselaer Polytechnic, Troy NY	1999

Media

Host and Head Writer, "Solving For X," series of webisodes showing the importance of algebra for school-age children; produced by Disney Educational Productions	2009
Host and Writer, "Stuff Happens," television series covering the consequences of human activities on the environment; produced by Discovery Communications for their environmental channel, Planet Green	2007-2008
Host and Writer, "The Greatest Inventions," television series describing the remarkable history of human innovation and invention; produced by Discovery Communications for the Discovery Channel	2006-2007
Host and Writer, "100 Greatest Discoveries," television series that documents 100 of the greatest scientific discoveries in history, including thirteen episodes covering astronomy, biology, chemistry, and physics; produced by Discovery Communications for the Discovery Channel	2005-2006
Host, Producer, Writer, "The Eyes of Nye," public television series which examined controversial topics such as pseudoscience, addiction, antibiotic drugs, nuclear waste, and cloning	2003-2005
Spokesperson, Consultant, television Host, Noggin, children's channel for the MTV Network	1999-2001
Writer, Producer, Host, "Bill Nye The Science Guy," award-winning television series examining elementary science education; co-produced by Buena Vista Television for The Walt Disney Company and KCTS-TV, Seattle	1992-1998
Writer, Talent, "Almost Live," a sketch comedy television series, produced by KING-TV, Seattle	1986-1992

Other Positions and Employment

Licensed Mechanical Engineer, state of Washington	1983-2009
Design Team member, MarsDial on board the Mars Exploration Rover, Jet Propulsion Laboratory, California Institute of Technology; conceived idea and assisted in design, vibration analysis, and public outreach	1999-2009
Consulting Engineer, U.S. Department of Justice; consulted on configuration of A-12 fighter jet	1997-2000
Consulting Engineer, Micro Encoder, Inc., Seattle WA; designed an electronic encoder-style micrometer and special tooling for calibration	1989-1990
Consulting Engineer, Avtech Corporation, Seattle WA; designed liquid intrusion resistant knob and shaft for avionics communications equipment	1989-1990
Engineer, Sundstrand Data Control, Redmond WA; designed oil well logging instruments and an inertial navigation system for business jets	1981-1986
Engineer, Marco Seattle, Seattle, WA; designed equipment for oil slick skimming at sea, and for separation of water produced with oil in oil fields	1980-1981
Engineer, The Boeing Company, Seattle WA; worked on flight control systems (rudder, horizontal stabilizer, flaps, ailerons); designed a hydraulic pressure resonance suppressor still in operation on Boeing 747's	1977-1980

Professional Memberships and Activities

The Planetary Society, Pasadena CA; Executive Director	2010 - present
The Planetary Society, Pasadena CA; Vice President 2004-2006	1998-2009
Union of Concerned Scientists, National Advisory Board 2006, Washington DC	1979-2009
Mt. St. Helens Institute, Advisory Board, Portland OR	2006-2009
American Association for the Advancement of Science, National Advisory Board, Washington DC	2001-2005
Mars Athena Exploration Team, Cornell University	1998-2009
Denver Museum of Nature and Science, Denver CO	2001-2009
New Horizons Mission to Pluto, Johns Hopkins University	2001-2009

Honors and Awards

Ralph Coats Roe Medal, American Society of Chemical Engineers	2012
Humanist of the Year Award, American Humanist Association	2010
Emmy Award for Outstanding Performer in a Children's Series, "Disney Presents Bill Nye The Science Guy," National Academy of Television Arts & Sciences	1997-1998

Emmy Awards for Outstanding Writing in a Children's Series, "Disney Presents Bill Nye The Science Guy," National Academy of Television Arts & Sciences	1998-1999 1997-1998 1996-1997 1995-1996 1994-1995
Emmy Award for Outstanding Producer in a Children's Series, "Disney Presents Bill Nye The Science Guy," National Academy of Television Arts & Sciences	1998-1999
International Science Advocate Award, Council for Elementary Science International	2000
Best Children's Live Action Show, Environmental Media Awards	1994, 1996-1998
Carl Sagan Candle in the Dark Award for the Development of Critical Thinking	1998
Distinguished Award for Conservation, U.S. Forest Service	1997
International Film and Video Festival Gold Camera Award	1992

Educational Activities

Frank H.T. Rhodes Class of '56 University Professor, Cornell University	2001-2005
Guest Lecturer, Cornell University	2001-2009

Patents

Ballet Toe Shoe, US Patent #7,254,904 B2	2007
Digital Abacus, US Patent #D399,522	1998
Educational Lens, US Patent #5,515,203	1996

Publications

Editor, Bill Nye The Science website, www.billnye.com	1997-2009
Author of 5 children's books	
"Big Blast of Science"	1993
"Bill Nye's Consider the Following"	2000
"Bill Nye The Science Guy's Big Blue Ocean"	2002
"Bill Nye The Science Guy's Great Big Dinosaur Dig"	2003
"Bill Nye The Science Guy's Great Big Book of Tiny Germs"	2005

Contact information

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