

Vita

Larry Vardiman

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Contact Information

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Education

Ph.D. Atmospheric Science, Colorado State University, Ft. Collins, CO 1974
M.S. Atmospheric Science, Colorado State University, Ft. Collins, CO 1972
B.S. Meteorology, St. Louis University, St. Louis, MO 1967
B.S. Physics, University of Missouri at Rolla 1965

Professional Experience

1989-Present	Chairman, Dept. of AstroGeophysics, ICR, Santee, CA
2004-2006	Chief Operating Officer, ICR, Santee, CA
1995-2000	Administrative Vice President, ICR, Santee, CA
1989-1998	Part-time Instructor, CHC, El Cajon, CA
1987-1989	Academic Dean, CHC, El Cajon, CA
1982-1989	Chairman, Dept. of Natural Sciences, CHC, El Cajon, CA
1980-1981	Part-time Instructor, Sierra College, Rocklin, CA
1974-1982	Research Meteorologist, Bureau of Reclamation, Denver, CO
1974-1983	Meteorologist, Western Scientific Services, Ft. Collins, CO
1970-1974	Grad. Res. Asst., Colorado State University, Ft. Collins, CO
1967-1970	USAF Officer, Air Weather Service, Scott AFB, IL
1966-1967	USAF Meteorology Training Program, St. Louis University
1965-1966	Grad. Teacher Asst., University of Missouri, Rolla, MO
1964-1965	Computer Operator, University of Missouri, Rolla, MO
1963-1965	Undergrad. Res. Asst., University of Missouri, Rolla, MO

Awards and Honors

U.S. Air Force Commendation Medal for meritorious service
USBR Outstanding Performance Award for April 1, 1978 to June 30, 1979
Christian Heritage College President's Award for distinguished service, 1985

Organizations

American Meteorological Society
Sigma Pi Sigma
Tau Beta Pi
Sigma Xi
Creation Research Society

Scientific Contributions

Operational Dissipation of Supercooled Fog Using Liquid Propane, with E. D. Figgins and H. S. Appleman, *Journal of Applied Meteorology*, v. 10, 1971.

A Study of Ice Crystal Concentrations in Convective Elements of Winter Orographic Clouds, with L. O. Grant, *Third Conference on Weather Modifications*, Rapid City, South Dakota, 1972.

A Case Study of Ice Crystal Multiplication by Mechanical Fracturing, with L. O. Grant, *International Cloud Physics Conference*, London, England, 1972.

Ice Crystal Multiplication in Convective Elements of Winter Orographic Clouds, Master's Thesis, Colorado State University, 1972

An Investigation of Precipitating Ice Crystals from Natural and Seeded Orographic Clouds, with C. L. Hartzell and Gerald Mulvey, 4th Conference on Weather Modification, Ft. Lauderdale, Florida, 1974.

The Generation of Secondary Ice Particles in Clouds by Crystal-Crystal Collision, Ph.D. Thesis, Colorado State University, 1974.

Generalized Criteria for Seeding Winter Orographic Clouds, with James A. Moore, 6th Conference on Planned and Inadvertent Weather Modification, Urbana, Illinois, 1977.

Generalized Criteria for Seeding Winter Orographic Clouds, with James A. Moore, Journal of Applied Meteorology, v. 35, n. 11, 1978.

The Generation of Secondary Ice Particles in Clouds by Crystal-Crystal Collision, Journal of the Atmospheric Sciences, v. 17, n. 12, 1978.

Preliminary Meteorological Measurements in Support of the Sierra Cooperative Pilot Project, Conference on Sierra Nevada Meteorology, South Lake Tahoe, California, 1978.

Summary Results of Preliminary Studies and Calibration Seeding in the Sierra Cooperative Pilot Project, 7th Conference on Inadvertent and Planned Weather Modification, Banff, Alberta, Canada, 1979.

A Case Study of the Hallet-Mossop, Ice Multiplication Process in the Sierra Nevada, with J. H. Humphries, 7th Conference on Inadvertent and Planned Weather Modification, Banff, Alberta, Canada, 1979.

Reanalysis of "Generalized Criteria for Seeding Winter Orographic Clouds," with D. Rottner, and J. A. Moore, Journal of Applied Meteorology, v. 19, n. 7, 1980.

Reply to Comments on "Generalized Criteria for Seeding Winter Orographic Clouds," with D. Rottner, and J. A. Moore, Journal of Applied Meteorology,

Reply to Comments on "Reanalysis of 'Generalized Criteria for Seeding Winter Orographic Clouds,'" with Donald Rottner and James A. Moore, Journal of Applied Meteorology, v. 20, n. 2, 1981.

The PET Parade (A Case Study of Cloud types on 6 February 1978 in the Sierra Cooperative Pilot Project), 8th Conference on Inadvertent and Planned Weather Modification, Reno, Nevada, 1981.

Supercooled Water and Ice Crystal Distributions over the Central Sierra Nevada, with Mark Heggli, 8th Conference on Inadvertent and Planned Weather Modification, Reno, Nevada, 1981.

A Scenario for Exploratory Seeding Experiment on Post-frontal Convection in the Sierra Cooperative Pilot Project, with John Marwitz, 8th Conference on Inadvertent and planned Weather Modification, Reno, Nevada, 1981.

Supercooled Liquid Water and Ice Crystal Distributions Within Sierra Nevada Winter Storms, with Mark Heggli, Ronald E. Stewart, and Arlen Huggins, *Journal of Applied Meteorology*, v. 22, n. 11, 1983.

A Comparison of Measured and Calculated Attenuation of 28 GHz Beacon Signals in Three California Storms, with Matthew Peterson, Final Report for the 1985 U. S. Air Force Summer Faculty Research Program, August, 1985. 20 pp.

Case Study Analyses of Millimeter Wave Length Attenuation, Final Report for the 1986 USAF-UES Mini Grant Research Program, December 1986, 160 pp.

The Age of the Earth's Atmosphere Estimated by Its Helium Content, Proceedings of the First International Conference on Creationism, Pittsburgh, Pennsylvania, 1986, p. 187.

Pre-flood Vapor Canopy Radiative Temperature Profiles, with David Rush, Proceedings of the Second International Conference on Creationism, Pittsburgh, Pennsylvania, 1990, p. 231.

The Mechanism of Ice Crystal Growth and the Theory of Evolution, Proceedings of the Second International Conference on Creationism, Pittsburgh, Pennsylvania 1990, p. 303.

The Age of the Earth's Atmosphere: A Study of the Helium Flux through the Atmosphere, ICR Monograph, 1990, 32 pp.

Radiative Equilibrium in an Atmosphere with Large Water Vapor Concentrations, with David Rush, Proceedings of the Seventh Conference on Atmospheric Radiation, 1990, p. 212.

Radiative Equilibrium in an Atmosphere with Large Water Vapor Concentrations, with David Rush, *Creation Research Society Quarterly* Vol. 29, No. 3, 1992.

Ice Cores and the Age of the Earth, ICR Monograph, 1993, 84 pp.

An Analytic Young-Earth Flow Model of Ice Sheet Formation During the "Ice Age", Proceedings of the Third International Conference on Creationism, Pittsburgh, Pennsylvania, 1994, p. 561.

A Conceptual Transition Model of the Atmospheric Global Circulation following the Genesis Flood, Proceedings of the Third International Conference on Creationism, Pittsburgh, Pennsylvania, 1994, p. 569.

Catastrophic Plate Tectonics: A Global Flood Model of Earth History, with S. A. Austin, J. R. Baumgardner, D. R. Humphreys, A. A. Snelling, and K. P. Wise, Proceedings of the Third International Conference on Creationism, Pittsburgh, Pennsylvania, 1994, p. 609.

Sea-Floor Sediment and the Age of the Earth, ICR Monograph, 1996, 94. pp.

The Sands of Time; A Biblical Model of Deep Sea-Floor Sedimentation, *Creation Research Society Quarterly*, Vol. 33, December, 1996.

Rapid Changes in Oxygen Isotope Content of Ice Cores Caused by Fractionation and Trajectory Dispersion Near the Edge of an Ice Shelf, *Creation Ex Nihilo Technical Journal*, Vol. 11, 1997.

Numerical Simulation of Precipitation Induced by Hot Mid-Ocean Ridges, Fourth International Conference on Creationism, Pittsburgh, Pennsylvania, pp. 595-605, 1998

Sensitivity Studies on Vapor Canopy Temperature Profiles, with Karen Boussetot, Fourth International Conference on Creationism, Pittsburgh, Pennsylvania, pp 607-618, 1998,

Over the Edge, Master Books, Green Forest, Arkansas 153 pp., 1999

Radioisotopes and the Age of the Earth: A Young-Earth Creationist Research Initiative, Larry Vardiman, Andrew Snelling, and Eugene Chaffin, Eds., Institute for Creation Research and the Creation Research Society, San Diego, California, 676 pp., 2000.

Climates Before and After the Genesis Flood: Numerical Models and Their Implications, ICR Monograph, San Diego, California 110 pp., 2001.

Hypercanes Following the Genesis Flood, Fifth International Conference on Creationism, Pittsburgh, Pennsylvania, 2003.

Radioisotopes and the Age of the Earth, Fifth International Conference on Creationism, Pittsburgh, Pennsylvania, 2003.

Greenland Ice Cores: Reliable Measure of Time? *Creation Digest*, <http://CreationDigest.com/GreenlandIceCores.htm>, 2002.

Temperature Profiles for an Optimized Water Vapor Canopy, Fifth International Conference on Creationism, Pittsburgh, Pennsylvania, 2003.

Radioisotopes and the Age of the Earth, Vol. II: Results of a Young-Earth Creationist Initiative, Larry Vardiman, Andrew Snelling, and Eugene Chaffin, Eds., Institute for Creation Research and the Creation Research Society, San Diego, California, 818 pp., 2005.

A Proposed Mesoscale Simulation of Precipitation in Yosemite National Park with a Warm Ocean, Sixth International Conference on Creationism, Pittsburgh, Pennsylvania, 2008.

Other	Summer 1985	U.S. Air Force Faculty/Graduate Student Summer Research Program. Appointment to Air Force Geophysics Laboratory in Boston, MA.
	1986-1987	\$20,000 Research Grant awarded under U.S. Air Force Mini-grant program to study attenuation of a millimeter wave length satellite signal in precipitation.