

JOHN T. GOSLING

BORN: 10 July 1938, Akron, Ohio

EDUCATION:

Elementary and High School in Akron, Ohio

1956: Graduated from Buchtel High School, Akron, Ohio.

1960: B. S. Physics (magna cum laude), Ohio University, Athens, Ohio

1965: Ph.D. Physics, University of California, Berkeley, California

POSITIONS HELD:

1965 - 1967: Post-doctoral staff member, Los Alamos Scientific Laboratory,

1967 - 1975: Scientific Staff Member, High Altitude Observatory, National Center for  
Atmospheric Research

1975 - 1992: Staff Member, Los Alamos National Laboratory

1992 - 2005: Laboratory Fellow, Los Alamos National Laboratory

1994-1998: Team Leader, Space Plasma Physics, Los Alamos National Laboratory

2005 – present: Senior Research Associate, Laboratory for Atmospheric and Space  
Physics, University of Colorado, Boulder

2005 – present: Consultant to Southwest Research Institute

PROFESSIONAL SOCIETIES:

American Geophysical Union

American Physical Society

International Astronomical Union

American Association for Advancement of Science

Phi Beta Kappa

PROFESSIONAL SERVICE:

Associate Editor:

J. Geophys. Res., 1981 - 1983

J. Geophys. Res., 1995 - 1997

Co-Editor of book: “Solar Wind Eight”, published 1996

Co-Editor of book: “Corotating Interaction Regions”, published 1999

NASA SR&T Evaluation Team: 1989, 1991

Subcommittee Chair: NASA SR&T Evaluation Team: 1993

NASA Cosmic and Heliospheric MOWG, 1991 - 1993  
Secretary: Solar and Heliospheric, SPA Section, AGU, 1992 - 1994  
Chair: SPA/AGU Awards Committee, 1994 - 1996  
AGU Bowie Medal Committee, 1994 - 1996  
National Research Council Committee on Solar-Terrestrial Research, 1994 - 1997  
NSF Panel on Space Weather, June 1995  
NASA MIDEX Review Panel, August 1995  
NASA STEREO Science Definition Team, 1996-1997  
NASA Guest Investigator Review Panel, June 1997  
President-Elect: SPA Section, American Geophysical Union, 1998-2000  
NSF Review Panel on Space Weather, December 1998  
NASA New Millennium Deep Space 5 Integrated Mission Definition Team, 1998-1999  
Fellows Committee, AGU, 1999-2000  
Editor Search Committee, AGU, EOS, 1998  
President, SPA Section, American Geophysical Union, 2000-2002  
NOAA/Space Environment Center Review Panel, July 2000  
NASA Living With a Star Review Panel, November 2000  
Chair, Solar-Heliospheric Panel, NRC/CSSP Decadal Survey, Solar and Space Physics,  
2001-2002  
Chair, Science Definition Team for Targeted Research and Technology component of  
NASA's Living With a Star program, 2002-2003  
Chair, Nominations Committee, Space Physics and Aeronomy Section of AGU, 2002-  
2003  
Nominations Committee, Space Physics and Aeronomy Section of AGU, 2004-2005  
SPA/AGU Fellows Committee, 2007 – 2009  
Chair, NASA SR&T review panel, July 2011

#### CONFERENCE COMMITTEES:

Solar Wind 5, Woodstock, Vermont, November 1983  
Chapman Conference on Collisionless Shocks, Napa, California, February 1984  
Solar Wind 6, Estes Park, Colorado, August 1987  
IAGA, Exeter, United Kingdom, July 1989  
Chapman Conference Solar Wind Sources of Magnetospheric ULF Waves,  
Williamsburg Virginia, September 1992  
IAGA, Cordoba, Argentina, August 1993  
SOHO Workshop on Solar Dynamic Phenomena & Solar Wind Consequences, Estes

Park, Colorado, September 1994  
Solar Wind 8, Dana Point, California, June 1995  
IAGA, Boulder, Colorado, July 1995  
Chapman Conference on Coronal Mass Ejections: Causes and Consequences, Bozeman,  
Montana, August 1996  
ISSI Workshop on Corotating Interaction Regions, Bern Switzerland, June 1998  
Solar Wind 9, Nantucket, Massachusetts, October 1998  
COSPAR Colloquium on Solar-Terrestrial Magnetic Activity and Space Environment,  
Beijing China, September 2001  
STEREO Workshop on the 3D Sun and Inner Heliosphere, Paris, France, March 2002  
Solar Wind 10, Pisa, Italy, June 2002  
ACE-RHESSI Workshop, Taos, New Mexico, October 2003  
Huntsville Workshop: Challenges to Modeling the Sun-Earth System, Huntsville,  
Alabama, October 2004  
IGPP Workshop on the Physics of Collisionless Shocks, Palm Springs, California,  
February 2005  
US-Japan Workshop on Magnetic Reconnection, St. Michaels, Maryland, March 2007  
IAU Symposium on “3-D Views of the Cycling Sun in Stellar Context”, Beijing, China,  
2012

#### LOS ALAMOS NATIONAL LABORATORY SERVICE:

Laboratory Directed Research and Development Panel, 1991, 1997, 1998  
Non-Proliferation and International Security Enhancement Committee, 1998  
NIS-1 Group Leader Search Committee, 1998-1999

#### PRINCIPAL INVESTIGATOR FOR DATA ANALYSIS FOR LOS ALAMOS PLASMA EXPERIMENTS ON IMP 6, 7, 8 AND ISEE 1, 2, 3

#### UNIVERSITY OF COLORADO SERVICE

Laboratory for Atmospheric and Space Physics Executive Committee, 2007 – present  
MORE proposal red team, 2007  
Chair, SORCE proposal red team, 2011  
Lecturer, REU Summer School, 2008, 2009, 2011  
LASP promotion committees: Scot Elkington, Greg Kopp, Lynn Harvey, David  
Malaspina (chair)

#### AWARDS AND HONORS:

Technology Achievement Award - National Center for Atmospheric Research, 1974.

Distinguished Performance Award (Individual), Los Alamos National Laboratory, 1988.

Fellow, American Geophysical Union, 1991.

Fellow, Los Alamos National Laboratory, 1992.

Distinguished Performance Award (Large Team), Los Alamos National Laboratory,  
1994.

Editors' Citation for Excellence in Refereeing:

Journal of Geophysical Research - 1992, 1994, 1997.

Geophysical Research Letters – 1995, 2008.

Reviews of Geophysics - 2000.

John Adam Fleming Medal, American Geophysical Union, 2000.

Institute for Scientific Information recognition as one of most highly cited researchers in  
space sciences - 2002.

Parker/Bowie Lecture, American Geophysical Union, May, 2004.

Fellow, American Association for Advancement of Science, 2007

## PUBLICATIONS:

- Gosling, J. T., A Study of the Relationship Between Absorption-Time Profiles of Polar-Cap-Absorption Events and Forbush Decreases of Cosmic-Ray Intensity, *J. Geophys. Res.*, **69**, 1233-1238, 1964.
- Gosling, J. T., Localization and Motion of Energetic Electron Precipitation During Magnetic Bays, *J. Geophys. Res.*, **71**, 835-848, 1966.
- Gosling, J. T., J. R. Asbridge, S. J. Bame, and I. B. Strong, Vela 2 Measurements of the Magnetopause and Bow Shock Positions, *J. Geophys. Res.*, **72**, 101-112, 1967.
- Gosling, J. T., J. R. Asbridge, S. J. Bame, A. J. Hundhausen, and I. B. Strong, Measurements of the Interplanetary Solar Wind During the Large Geomagnetic Storm of April 17-18, 1965, *J. Geophys. Res.*, **72**, 1813-1821, 1967.
- Gosling, J. T., J. R. Asbridge, S. J. Bame, A. J. Hundhausen, and I. B. Strong, Discontinuities in the Solar Wind Associated with Sudden Geomagnetic Impulses and Storm Commencements, *J. Geophys. Res.*, **72**, 3357-3363, 1967.
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- Pizzo, V., J. T. Gosling, A. J. Hundhausen, and S. J. Bame, Large-Scale Dynamical Effects Upon the Solar Wind Flow Parameters, *J. Geophys. Res.*, **78**, 6469-6479, 1973.
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- Gosling, J. T., E. Hildner, R. M. MacQueen, R. H. Munro, A. I. Poland, and C. L. Ross, Mass Ejections from the Sun: A View from Skylab, *J. Geophys. Res.*, **79**, 4581-4587, 1974.
- Gosling, J. T., Interplanetary Disturbances: A Classification, in *Solar Wind Three*, edited by C. T. Russell, UCLA, 140-143, 1974.

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- Poland, A. I., and J. T. Gosling, Reticulation: Effects and Cure, *AAS Photo-Bulletin*, **9**, 14-16, 1975.
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Bame, S. J., J. R. Asbridge, W. C. Feldman, and J. T. Gosling, Solar Cycle Evolution of High Speed Solar Wind Streams, *Astrophys. J.*, **207**, 977-980, 1976.

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Hildner, E., J. T. Gosling, R. M. MacQueen, R. H. Munro, A. I. Poland, and C. L. Ross, Frequency of Coronal Transients and Solar Activity, *Solar Phys.*, **48**, 127-135, 1976.

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Gosling, J. T., Transient Phenomena in the Solar Atmosphere and Solar Wind, in *Physics of Solar Planetary Environments*, Vol. 1, edited by D. J. Williams, pp. 286-303, Amer. Geophys. Union Publication, 1976.

Feldman, W. C., J. R. Asbridge, S. J. Bame, and J. T. Gosling, High Speed Solar Wind Flow Parameters at 1 AU, *J. Geophys. Res.*, **81**, 5054-5060, 1976.

Gosling, J. T., J. R. Asbridge, S. J. Bame, and W. C. Feldman, Solar Wind Speed Variations: 1962-1974, *J. Geophys. Res.*, **81**, 5061-5070, 1976.

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Poland, A. I., J. T. Gosling, R. M. MacQueen, and R. H. Munro, The Radiance Calibration of the High Altitude Observatory White Light Coronagraph on Skylab; *Applied Optics*, **16**, 926-930, 1977.

Gosling, J. T., and A. J. Hundhausen, Waves in the Solar Wind, *Sci. Amer.*, **236**, 36-43, 1977.

Bame, S. J., J. R. Asbridge, W. C. Feldman, J. T. Gosling, Evidence for a Structure-Free State at



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