

## HALSTEAD HARRISON

### Publications:

- 2002 Comment on the paper "Does the Earth Have an Adaptive Infra-red Iris?", by R.S. Lindzen, M-D Chou, and A.Y Hou, Bulletin of the American Meteorological Society, v82#2, pp 417-432, March 2001"  
BAMS, v 83, p597, 2002  
<<http://www.atmos.washington.edu/~harrison/iris/iris.pdf>>

Some comparisons between MM5 forecasts and RAWIN observations at 4 sites in the Pacific Northwest:  
Is MM5 good enough for air-quality models?  
Submitted to J.A.M., March 2002

- 1997 O3 in Western Washington: Measurements and Models  
Proc. PNWIS / AWMA, Vancouver, BC. Nov 97

Nephelometric Visibility at Remotes Sites in Western Washington: Trends and Apportionment  
Proc. PNWIS / AWMA, Vancouver, BC. Nov 97

- 1996 The Puget Sound Ozone Storm of 1994  
Proc. PNWIS / AWMA, Vancouver, BC. Nov 97

- 1994 Have Oxy-Fuels Reduced CO in Puget Sound?  
With S. Otterson  
Proc. PNWIS / AWMA, Portland, Or. Nov. 96

Burn Bans Reduce Winter Haze in Puget Sound  
Proc. PNWIS / AWMA, Portland, Or. Nov. 96

- 1992 Carbon Monoxide at 10 Urban Traffic Sites:  
Diurnal Effects and Source Apportionment  
with C. Bowman  
Proc. PNWIS / AWMA, Bellevue WA, Nov. 1992

Plume Rise from Prescribed Fires: Model and Data  
with C. Hardy  
Proc. PNWIS / AWMA, Bellevue WA, Nov. 1992

Optical Scattering and Wind Trajectories in a Regional Mesoscale: The Partition of Local and Regional Effects  
By Eigenvector Analyses  
with K. Gebhart  
Proc. Air & Waste Management Association, 92-60.05,  
Kansas City, June 1992

- 1991 Polar Fluxgrams for Air Quality Management  
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- 1991 PUFF: A Dispersion Model for Complex Terrain  
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- 1990 Air Quality During Stagnations: A Comparison of RAM  
and WYNDvalley with PM-10 Measurements at Five Sites  
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J. Air. Waste Manage. Assoc. v40, pp47-52
- 1988 An Eulerian-Grid Air-Quality Dispersion Model with  
Versatile Boundaries, Sources, and Winds  
Proceedings AMS/APCA Specialty Conference on Receptor  
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San Francisco, February 23-26, 1988  
[See also: EPA-910/9/87-179 NTIS PB88-158969  
EPA-910/9-87-180 NTIS PB88-157078]
- 1987 WYNDvalley: An Air-Quality Model for Near-Stagnant  
Flows in Constricted Terrain  
NTIS PB88-158969  
EPA - 910/9-87-179
- Methow Valley Air-Quality Simulation  
NTIS PB88-157078  
EPA - 910/9/-87-180
- 1986 Carbonyl Sulfide Concentrations in the Surface Waters  
and Above the Pacific Ocean  
with J.E. Johnson  
Journal of Geophysical Research, v91, pp7783-
- 1986 Quantification and Characterization of Regional Haze  
with N. Maykut and D. Weaver  
Proc. Air Pollution Control Association  
Visibility Protection, Research and Policy Aspects  
Jackson Hole, Wyoming Sept. 7-10
- 1985 Stochastic Rain Model for Computing Dry and Wet Acid  
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- Methow Valley Air Quality Study: A Method of Modeling  
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- The Segregation of Aerosols by Cloud-Nucleating Activity.  
Part I: Design, Construction, and Testing of A High-Flux  
Thermal Diffusion Cloud Chamber for Mass Separation  
with L. Harrison  
J. Climate and Applied Meteorology, v24, 302-310
- 1984 The Statistics of Chemical Trace Concentrations in the  
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with M.B. Baker and M. Eylander  
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- 1983 The Statistics of Wet Deposition  
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The Effects of Inhomogeneous Particles  
with L. Harrison  
Atmospheric Environment, v16, 293-300
- Measurements of OCS in the Surface Layers of the Pacific Ocean  
with J.E. Johnson and L. Heidt  
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- 1982 Aqueous Phase Oxidation of Sulfites by Ozone in the  
Presence of Iron and Manganese  
with T.V. Larson and C.S. Monkman  
Atmospheric Environment, v16, 1039-
- 1981 Atmosphere-Biosphere Interactions: Toward a Better  
Understanding of the Ecological Consequences of Fossil-Fuel  
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with D. Schindler (chair), M. Alexander, E.D. Goldberg,  
E. Gorham, D. Grosjean, W.W. Heck, R.B. Husar, T.C. Hutchinson,  
S. Oden, G.T. Orlob, L. Overrein, and D.M. Whelpdale  
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- 1978 Oxidation of Sulfur Dioxide by Oxygen and Ozone in  
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- 1977 Acidic Sulfate Aerosols: Formation from Heterogeneous  
Oxidation by O<sub>3</sub> in Clouds  
with T.V. Larson  
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- A Search for Water-Vapor Absorption Lines in Laser Stars  
with G. Wallerstein and R. Antonucci  
Pub. Astronomical Society of the Pacific, v89, 391-396
- 1977 Tropospheric Ozone I: Evidence for Higher Background Values  
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- Tropospheric Ozone II: Variations Along a Meridional Band  
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J. Geophysical Research, v82, 5969-5976
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- 1975 Computer Simulation of Snowflake Size Distributions and Radar Doppler-Velocities  
with B. Simon and R. Weiss  
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- 1974 Acid Rain in Puget Sound  
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Precipitation Scavenging. ERDA Symposium 41, 602-610
- The Oxidation of SO<sub>2</sub> in the Stratosphere  
with T.V. Larson  
J. Geophysical Research, v79, 3095-3097
- Atmospheric Effects of Pollutants  
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- 1972 Mie-Theory Computations of Lidar and Nephelometric Scattering Parameters for Power Law Aerosols  
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- 1972 Aerosol Concentrations: Effect on Planetary Temperatures  
with R.J. Charlson and G. Witt  
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- Angular Distribution of Photoelectrons. I:  
Cadmium and Zinc Atoms at 584 and 1048 Angstroms  
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- Photoelectron Spectroscopy with Undispersed Ultraviolet  
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- 1964 Velocity Dispersion of Square-Modulated Maxwellian  
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