

George H. Taylor, M.S.
Certified Consulting Meteorologist
Resume of Experience

Born: Santa Barbara, California, 1947

Occupation: Oregon State Climatologist
College of Oceanic and Atmospheric Sciences
Oregon State University

Education: B.A. Mathematics U.C. Santa Barbara, 1969
M.S. Meteorology University of Utah, 1975

Professional Experience:

1989- Oregon State University
Oregon State Climatologist
- Responsible for weather and climate data archives for the state of Oregon

1983 - President and Chief Scientist
Santa Barbara Softworks
Santa Barbara, California and Corvallis, Oregon
- Air quality and meteorological analysis
- Software development

1977 - 83 Manager of Air Quality Studies
North American Weather Consultants
Goleta, California
- Air quality analysis and field studies

1975 - 77 Meteorologist
Environmental Research and Technology
Santa Barbara, California
- Air quality and meteorological analysis
- Air quality model development

1971-73 Meteorological Assistant
North American Weather Consultants
Goleta, California
- Air quality analysis and field studies
- Weather forecasting

Professional membership, honors and awards:

Member, American Meteorological Society
Certified Consulting Meteorologist, American Meteorological Society
Board of Certified Consulting Meteorologists (Chairman 1995)
California Lifetime Community College Credential
President, American Association of State Climatologists, 1998-2000

Publications:

Over 200 reports, books, and journal articles. Recent titles:

Taylor, G.H. and C. Daly, 2004. Using PRISM climate grids and GIS for extreme precipitation mapping. 14th Conference on Applied Climatology, American Meteorological Society, Seattle, Washington.

Daly, C., W. Gibson, M. Doggett, J. Smith, and G. Taylor, 2004. Up-To-Date Monthly Climate Maps for the Conterminous United States. 14th Conference on Applied Climatology, American Meteorological Society, Seattle, Washington.

Gibson, W., C. Daly, M. Doggett, J. Smith, and G. Taylor, 2004. Application of a Probabilistic Spatial Quality Control System to Daily Temperature Observations in Oregon. 14th Conference on Applied Climatology, American Meteorological Society, Seattle, Washington.

Daly, C., W. Gibson, M. Doggett, J. Smith, and G. Taylor, 2004. A Probabilistic-Spatial Approach to the Quality Control of Climate Observations. 14th Conference on Applied Climatology, American Meteorological Society, Seattle, Washington.

Doggett, M, C. Daly, J. Smith, W. Gibson, G. Taylor, G. Johnson, and P. Pasteris, 2004. High Resolution 1971–2000 Mean Monthly Temperature Maps for the Western United States. 14th Conference on Applied Climatology, American Meteorological Society, Seattle, Washington.

Daly, C., W. P. Gibson, G.H. Taylor, G. L. Johnson, P. Pasteris, 2002. A Knowledge-based Approach to Statistical mapping of Climate. *Climate Research*, 22, 99-113.

Taylor, G.H., A. Matzke and M. Mitchell, 2002. Oregon HCN Data – which one is correct?. 13th Conference on Applied Climatology, American Meteorological Society, Portland.

- Gibson, W., C. Daly, T. Kittel, D. Nychka, C. Johns, N. Rosenbloom, A. McNab and G. Taylor, 2002. Development of a 103-year high-resolution data set for the conterminous United States.. 13th Conference on Applied Climatology, American Meteorological Society, Portland.
- Taylor, G.H. and N. Parazoo, 2002. An investigation of changes in the length of the growing season. 13th Conference on Applied Climatology, American Meteorological Society, Portland.
- Daly, C., G.H. Taylor, W. P. Gibson, T.W. Parzybok, G. L. Johnson, P. Pasteris. 2001. High-quality spatial climate data sets for the United States and beyond. Transactions of the American Society of Agricultural Engineers 43: 1957-1962 (invited paper).
- Daly, C., T.G.F. Kittel, A. McNab, W.P. Gibson, J.A. Royle, D. Nychka, T. Parzybok, N. Rosenbloom, and G. Taylor. 2000. Development of a 103-year high-resolution climate data set for the conterminous United States. In: Proc., 12th AMS Conf. on Applied Climatology, Amer. Meteorological Soc., Asheville, NC, May 8-11, 249-252.
- Taylor, G.H. and R.R. Hatton, 1999. The Oregon Weather Book. Oregon State University Press, Corvallis, Oregon. 240 p.
- Taylor, G.H. and C. Hannan, 1999. The Climate of Oregon. Oregon State University Press, Corvallis, Oregon. 212 p.
- Daly, C., T.G.F. Kittel, A. McNab, J.A. Royle, W.P. Gibson, T. Parzybok, N. Rosenbloom, G.H. Taylor, and H. Fisher. 1999. Development of a 102-year high-resolution climate data set for the conterminous United States. In: Proceedings, 10th Symposium on Global Change Studies, 79th Annual Meeting of the American Meteorological Society, 10-15 January, Dallas, TX, 480-483.
- Daly, C., G.H. Taylor, and W.P. Gibson. 1998. The PRISM approach to mapping precipitation and temperature. In: Proc., Modeling for Crop-Climote-Soil-Pest System and Its Applications in Sustainable Crop Production, Jaingsu Academy of Agricultural Sciences, Nanjing, China, 22-26 June, 150-152 (invited paper).
- Daly, C., G.H. Taylor, W.P. Gibson, T. Parzybok, G.L. Johnson, and P.A. Pasteris. 1998. Development of high-quality spatial climate datasets for the United States. In: Proc., 1st International Conference on Geospatial Information in Agriculture and Forestry, Lake Buena Vista, FL, June 1-3, I-512 - I-519.
- Daly, C., G.H. Taylor, and W.P. Gibson. 1997. The PRISM approach to mapping

precipitation and temperature. In: Proc., 10th AMS Conf. on Applied Climatology, Amer. Meteorological Soc., Reno, NV, Oct. 20-23, 10-12 (invited paper).

Redmond, K. T. and G.H. Taylor, 1997: Climate of the Coastal Temperate Rain Forest. In The Rain Forests of Home, Island Press, Washington D.C.

Daly, C., G.H. Taylor, and W.P. Gibson. 1997. The PRISM approach to mapping precipitation and temperature. In: *Proc., 10th AMS Conf. on Applied Climatology, Amer. Meteorological Soc.*, Reno, NV, Oct. 20-23, 10-12.

Gibson, W.P., C. Daly, and G.H. Taylor, 1997. Derivation of facet grids for use with the PRISM model. In: *Proc., 10th AMS Conf. on Applied Climatology, Amer. Meteorological Soc.*, Reno, NV, Oct. 20-23, 208-209.

Parzybok, T., W.P. Gibson, C. Daly, G.H. Taylor, 1997. Quality assurance of climatological data for the VEMAP project. In: *Proc., 10th AMS Conf. on Applied Climatology, Amer. Meteorological Soc.*, Reno, NV, Oct. 20-23. 215-216.

Taylor, G.H., C. Daly, W.P. Gibson, and J. Sibul-Weisberg, 1997. Digital and map products produced using PRISM. In: *Proc., 10th AMS Conf. on Applied Climatology, Amer. Meteorological Soc.*, Reno, NV, Oct. 20-23, 217-218.

Daly, C. and G.H. Taylor. 1996. Development of a new Oregon precipitation map using the PRISM model. In *GIS and Environmental Modeling: Progress and Research Methods*, eds. Goodchild, M.F., Stayaert, L.T., Parks, B.O., Johnston, C., Maidment, D.R., Crane, M. and S. Glendenning, 91-92. Fort Collins, GIS World, Inc. (Invited paper).

Taylor, G.H., 1996: Climate Maps for the Central and Eastern United States. In National Garden Book, Sunset Books, Menlo Park, California.