

Climate / Paleoclimate / Sealevel Change References
updated April 9, 2003

Barnosky, C.W., Anderson, P.M., and Bartlein, P.J., 1987, The northwestern U.S. during deglaciation; Vegetational history and paleoclimatic implications: in Ruddiman, W.F., and Wright, H.E. Jr. (eds.), North America and adjacent oceans during the last deglaciation, v. K-3, p. 289-321, Geological Society of America, Boulder.

Broecker, W.S., 1997, Thermohaline circulation, the Achilles heel of our climate system: will manmade CO₂ upset the current balance?, Science, v. 278, p. 1582-1589.

Barron, E.J., 1989, Severe storms during Earth history: Geological Society of America Bulletin, v. 101, p. 601-612.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l

Barron, E.J., Hay, W.W., and Thompson, S., 1989, The hydrologic cycle; a major variable during Earth history: Global and Planetary Change, v. 1, p. 157-174.

Barron, E.J. Harrison, C.G.A., Sloan, J.L., and Hay, W.W., 1981, Paleogeography, 180 million years ago to the present: Eclogae Geology Helvetica, v. 74, p. 443-470.

Barron, E.J., Arthur, M.A. and Kauffman, E.G., 1985, Cretaceous rhythmic bedding sequences: A plausible link between orbital variations and climate: Earth and Planetary Science Letters, v. 72, p. 327-340.

Beaty, C., 1978, The causes of glaciation: American Scientist, v. 66, p. 452-459.

Berger, A., Imbrie, J., Hays, J., Kukla, G., and Saltzman, B., eds, 1984, Milankovitch and Climate: Reidel, Dordrecht, ?? p.

Bradley, R.S., 1985, Quaternary Paleoclimatology: Winchester, Mass., Allen and Unwin, 472 p.
(this is the reference Danny K. mentioned that Roger Anderson was big on at UNM)

Brown, S.L., Bierman, P.R., Lini, A., Southon, J., 2000, 10,000 year record of extreme hydrologic events, Geology, v. 28, no. 4, pp. 335-338.

On File No PDF

Bull, W.B., 1991, Geomorphic Responses to Climatic Change: Oxford, Oxford University Press, 326 p.

Berger, A., 1980, The Milankovitch astronomical theory of paleoclimates; a modern review: Vistas Astronomical, v. 24, p 103-122.

Berger, A., Imbrie, J., Hays, J., Kukla, G., and Saltzman, B., eds., 1984, Milankovitch and climate, understanding the response to astronomical forcing: Boston, D. Reidel, 895 p.

Bradley, R.S., 1985, Quaternary paleoclimatology, methods of paleoclimatic reconstruction: Boston, Allen and Unwin, 472 p.

Bribben, J., 1978, Climatic Change: Cambridge University Press, Cambridge, ??p.

Broecker, W.S., 1984, Terminations, in Berger, A., Imbrie, J., Hays, J., Kukla, G., and Saltzman, B., eds., 1984, Milankovitch and climate, understanding the response to astronomical forcing: Boston, D. Reidel, p. 687-698.

Budel, J., 1982, Climatic Geomorphology: Princeton University Press, Princeton, N.J., 443 p.

Chappell, J., and Shackleton, N.J., 1986, Oxygen isotopes and sea level: Nature, v. 324, p. 137-140.

CLIMAP, 1981, Seasonal reconstructions of the Earth's surface at the last glacial maximum: Geol Society of America, Map and Chart Series, MC-36.

Climap Project Members, 1984, The last interglacial ocean: Quaternary Research, v. 21, p. 123-224.

Coch, N.K., 1994, Geologic effects of hurricanes: Geomorphology, v. 10, p. 37-63.

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

COHMAP, 1988, Climatic changes of the last 18,000 years: Observations and model simulations: Science, v. 241, p. 1043-1052.

Costa, John E., and O'Connor, Jim, E. 1995, Geomorphically effective floods, in Geophysical Monograph, p. 45-56.

On File

Denton, G.H., 1995, The problem of Pliocene paleoclimate and ice-sheet evolution in Antarctica, in Vrba, E.S., Denton, G.H., Partridge, T.C., Burckle, L.H., eds., Paleoclimate and evolution, with emphasis on human origins, pp. 213-229.

On file No PDF

Dwyer, T.R., Mullins, H.T., and Good, S.C., 1996, Paleoclimatic implications of Holocene lake-level fluctuations, Owasco Lake, New York: Geology, v. 24, p. 519-522.

Eybergen, F.A., and Imeson, A.C., 1989, Geomorphic processes and climatic change: Catena, v. 16, p. 307-319.

Forman, S.L., Oglesby, R., Markgraf, V., and Stafford, T., 1995, Paleoclimatic significance of late Quaternary eolian deposition on the Piedmont and High Plains, central United States: Global and Planetary Change, v. 11, p. 35-55.

Gornitz, V., and Kanciruk, P., 1989, Assessment of global hazards from sea level rise: Coastal Zone '89, p. 1345-1359.

Hansen, J.E. and others, 1984, Climate sensitivity: Analysis of feedback mechanisms, in Hansen, J., and Takahashi, T., Climate Processes and Climate Sensitivity: American Geophysical Union, Washington, D.C., p. 130-163.

Haq, B., Hardenbol, J., and Vail, P., 1987, Chronology of fluctuating sea levels since the Triassic: Science, v. 235, p. 1156-1167.

Harrison, S.P., 1989, Lake levels and climatic change in eastern North America: Climate Dynamics, v. 3, p. 157-167.

Hayden, B.P., Flood climates, in Baker, V.R., Kochel, R.C., and Patton, P.C., eds., Flood Geomorphology, Wiley, New York, p. 27-49.

**On file(Y/N):y Read?(Y/N):y X-ref(Y/N):n Applicability(0,low,m,high):h
x-refed in "fluvial" database as well**

Hays, J., Imbrie, J., and Shackleton, N., 1976, Variations in the Earth's orbit: pacemaker of the ice ages: Science, v. 194, p. 1121-1132.

On file(Y/N):y Read?(Y/N):y X-ref(Y/N):n Applicability(0,low,m,high):h

Hershfield, D.M., 1961, Rainfall frequency atlas of the U.S. for durations from 30 minutes to 24 hours and return periods from 1 to 100 years: U.S. Dept. of Commerce, National Oceanographic and Atmospheric Administration, Technical Paper, no. 40, 115 p.

Hicks, S.D., Debaugh, H.A., and Hickman, L.E., 1983, Sea level variations for the United States, 1855-1980: Rockville, MD, U.S. Dept. of Commerce, NOAA, National Ocean Service, 170 p.

Hirschboeck, K.K., 1988, Flood hydroclimatology, in Baker, V.R., Kochel, R.C., and Patton, P.C., eds., Flood Geomorphology, Wiley, New York, p. 27-49.

**On file(Y/N):y Read?(Y/N):y X-ref(Y/N):n Applicability(0,low,m,high):h
x-refed in "fluvial" database as well**

Hirschboeck, Katherine K., 1991, Hydrology of floods and droughts, climate and floods: U.S. Geological Survey Water Supply Paper 2375,p. 67-88.

On file(Y/N):y Read?(Y/N):y X-ref(Y/N):n Applicability(0,low,m,high):h

Hooke, Roger, LeB., 2000, Toward a uniform theory of clastic sediment yield in fluvial systems in

Geological Society of America Bulletin, v.112 p. 1778-1786

On File

Houze, R.A., 1981, Structures of atmospheric precipitation systems; A global survey: Radio Science, v. 16, p. 671-689.

Hudson, Paul F., and Kessel, Richard H., 2000, Channel migration and meander-bend curvature in

the lower mississippi river prior to major human modification, in Geology June 2000 v. 28, p. 531-534.

On File

Imbrie, J., and 8 others, 1984, The orbital theory of Pleistocene climate: Support from a revised chronology of the marine O18: in Verger, A., et. al., eds., Milankovitch and climate, Part I: Dordrecht Reidel Publishing Co., p. 269-305.

Kerr, R.A., 1989, The global warming is real: Science, v. 243, p. 603.

Kerr, R.A., 1990, New greenhouse report puts down dissenters: Science, v. 249, p. 481.

Kutzbach, J.E. and Wright, H.E., 1985, Simulation of the climate of 18,000 years BP: Results for the North American, North Atlantic, European sector and comparison with the geologic record of North America: *Quaternary Science Reviews*, v. 4, p. 147-187.

Ledley, T.S., Sundquist, E.T., Schwartz, S.E., Hall, D.K., Fellows, J.D., Killenn, T.K. 1999. Climate change and greenhouse gases. *Eos, Transactions, American Geophysical Union*, v. 80, no. 39.

On File

Lisle, L.D., 1982, Annotated bibliography of sea level changes along the Atlantic and Gulf coasts of North America: *Shore and Beach*, July, v. 50, p. 24-34.

Mandryk, C.A.S., Josenhans, H., Fedje, D.W., Mathewes, R.W., 2000, Late Quaternary paleoenvironments of northwestern North America: implications for inland versus coastal migration routes, *Quaternary Science Reviews*, v. 20, pp. 301-314.

On File No PDF

Milankovitch, M.M., 1941, Canon of insolation and the ice-age problem: Beograd; Koniglich Serbische Akademie, English translation by the Israel Program for Scientific Translations, published for the U.S. Department of Commerce and National Science Foundation, Washington, D.C., 1969, 633, p.

Millsaugh, S.H., Whitlock, C., Bartlein, P.J., 2000, Variations in fire frequency and climate over the past 17,000 years in central Yellowstone National Park, *Geology*, v. 28, no. 3, pp. 211-214.

On file No PDF

Mix, A.C., 1987, The oxygen-isotope record of glaciation, in Ruddiman, W.F. and Wright, H.E., Jr., eds., *North America and adjacent oceans during the last deglaciation*: Boulder, Colorado, GSA, *The Geology of North America*, v. K-3, pp. 111-135.

On File No PDF

Mock, C.J., 1996, Climatic controls and spatial variations of precipitation in the western United States, *Journal of Climate*, v. 9, p. 1111-1125.

Mock, Cary J., and Bartlein, Patrick J., 1995, Spatial variability of late quaternary paleoclimates in the western united states, in *Quaternary Research* 44, p. 425-433.

On File

O'Lenic, Edward A., 1999, Climate and weather, in *Phi Kappa Phi Journal*, p. 40-44.

On File

Peltier, W.R., and Tushingham, A.M., 1989, global sea level rise and the greenhouse effect: Might they be connected?: *Science*, v. 244, p. 806-810.

Philander, George S., 1999, El nino, in *Phi Kappa Phi Journal*, p.11-14.

On File

Ramanathan, V., 1988, The greenhouse theory of climate change: a test by an inadvertent global experiment: *Science*, v. 240, p. 293-299.

Rampina, M., and Self, S., 1993, Climate-volcanoism feedback and the Toba eruption of 74,000 years ago: *Quaternary Research*, v. 40, p. 269-280.

Rice, A., 1976, Insolation warmed over: *Geology*, p. 61-62.

Schlsiger, M.E., and Mitchell, J.F.B., 1987, Climate model simulations of the equilibrium climatic response to increased carbon dioxide: *Reviews in Geophysics*, v. 25, p. 760-798.

Spaulding, W.G., 1989. Pluvial climatic episodes in North America and North Africa: types and correlation with global climate. *Palaeogeography, Palaeoclimatology, Palaeoecology*, v. 84, pp. 217-227.

On File

Stringer, C.B., 1995, The evolution and distribution of later Pleistocene human populations, in Vrba, E.S., Denton, G.H., Partridge, T.C., Burckle, L.H., eds., *Paleoclimate and evolution, with emphasis on human origins*, pp. 524-531.

On file **No PDF**

Taylor, K., and 7 others, 1993, The flickering switch of late Pleistocene climate change: *Nature*, v. 361, p. 432-436.

Thompson, R.S., Whitlock, C., Bartlein, P.J., Harrison, S.J., and Spaulding, W.G., 1993, Climatic changes in the western United States since 18,000 yr B.P., in *Global climates since the last glacial maximum*, Wright, H.E. Jr., Kutzbach, J.E., Webb, T. III, Ruddiman, W.F., Street-Perot, F.A., and Bartlein, P.J., eds., p. 473-517, Univ. of Minnesota Press, Minneapolis, MN.

Thouveny, N., and ten others, 1994, Climate variations in Europe over the past 140 kyr deduced from rock magnetism: *Nature*, v. 371, p. 503-506.

Trewartha, G.T., and Horn, L.H., 19??, *An introduction to climate*, 5th ed., McGraw-Hill, New York, ? p. (I have chapter 6, weather systems and weather)

On file(Y/N):y Read?(Y/N):n X-ref(Y/N):n Applicability(0,low,m,high):l-m

U.S. Department of Commerce, 1985, Climatological data for each state. NOAA.

U.S. Dept. of Commerce, Environmental Data Service, 1972, *Climates of the world*: Wash., D.C., Environmental Sciences Services Administration.

Vrba, A.S., 1995, On the connection between paleoclimate and evolution, in Vrba, E.S., Denton, G.H., Partridge, T.C., Burckle, L.H., eds., *Paleoclimate and evolution, with emphasis on human origins*, pp. 24-44.

On file **No PDF**

Webb, T., Bartlein, P., and Kutzback, J.E., 1987, Climatic change in eastern North America during the past 18,000 years: comparisons of pollen data with model results, in Ruddiman, W.F., and Wright, H.E., eds., North America and adjacent oceans during the last deglaciation: Geological Society of America, Boulder, K-3, p. 447-462.

Winnograd, I.J., Coplen, T.B., Landwehr, J.M., Riggs, A.C., Ludwig, K.R., Szabo, B.J., Kolesar, P.T., and Revesz, K.M., 1992, Continuous 500,000-year climate record from vein calcite in Devils Hole, Nevada: Science, v. 258, p. 255-260.

On file(Y/N):y Read?(Y/N):y X-ref(Y/N):n Applicability(0,low,m,high):0

Wolfe, J.A., 1980?, A paleobotanical interpretation of Tertiary climates in the northern hemisphere: American Scientist, v. 66, p. 694-703,

On file(Y/N):y Read?(Y/N):y X-ref(Y/N):n Applicability(0,low,m,high):0

Wright, H.E., and others, eds., 1993, Global climates since the last Glacial Maximum: Minneapolis, University of Minnesota Press, p. 468-513.