

# SCIENTIFIC PUBLICATIONS AND PAPER PRESENTATIONS ON SOILS, GEOMORPHOLOGY, PALEOCLIMATE, AND GEOARCHAEOLOGY

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## PUBLICATIONS

- 2008 Karlstrom, E.T., Oviatt, C.G., and Ranson, M.D., Paleoenvironmental interpretation of a multiple soil-loess sequence at Milford Reservoir, Geary County, northeastern Kansas, v. 72 *Catena*, 113-128.
- 2005 Karlstrom, E.T., Late Quaternary landscape history and geoarchaeology of two drainages on Black Mesa, northeastern Arizona, *Geoarchaeology*, v. 20, no. 1, 1-28.
- 2001 Karlstrom, E.T. and Barendregt, R.W., Fabric, paleomagnetism and interpretation of pre-Illinoian diamictos and paleosols on Cloudy Ridge and Milk River Ridge, Alberta and Montana, *Geographie Physique et Quaternaire*, v. 55, no. 2, 141-157.
- 2001 Karlstrom, E.T., 2001, Description and genesis of buried, sand-filled soil wedges near Flagstaff, Arizona. *Physical Geography*, v. 22, no. 2, 166-186.
- 2000 \_\_\_\_\_, Fabric and origin of multiple diamictos within the pre-Illinoian Kennedy Drift east of Waterton-Glacier International Peace Park, Alberta, Canada, and Montana, USA. *Geological Society of America Bulletin*, v. 112, no. 10, 1496-1506.
- 2000 \_\_\_\_\_, Use of soils to identify glacial deposits of various ages east of Glacier National Park, Montana. *Arctic, Antarctic and Alpine Research*, v. 32, no. 2, p. 179-188.
- 1999 \_\_\_\_\_, Evidence for coalescence of Laurentide and Rocky Mountain glaciers east of Glacier National Park, Montana, *Physical Geography*, 20, 3, 225-239.
- 1995 Cioppa, M.T., Karlstrom, E.T., Barendregt, R.W., and Irving, E., Paleomagnetism of tills and associated paleosols in southwestern Alberta and northern Montana: evidence for late Pliocene-Early Pleistocene glaciations. *Canadian Journal of Earth Sciences*, v. 32, no. 5, p. 555-564.
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- 1992 Karlstrom, E.T., and Osborn, G., Genesis of buried paleosols and soils in Holocene and late Pleistocene tills, Bugaboo Glacier area, British Columbia. *Arctic and Alpine Research*, v. 24, no. 2, p. 108-123.
- 1991 Karlstrom, E.T., Paleoclimatic significance of Late Cenozoic paleosols of Waterton-Glacier Parks, Alberta and Montana. *Palaeogeography, Palaeoclimatology, Palaeoecology*. v. 85, p. 71-100.

- 1991 Barendregt, R.W., Irving, E., and Karlstrom, E.T., Paleomagnetism of Quaternary and late Tertiary sediments on Mokowan Butte, southwestern Alberta. *Canadian Journal of Earth Sciences*, v. 28, no. 12, p. 1956-1964.
- 1990 Karlstrom, E.T., Relict periglacial features east of Waterton-Glacier Parks, Alberta and Montana, and paleoclimatic significance. *Permafrost and Periglacial Processes*, v. 1, no. 3, p. 221-234.
- 1989 Osborn, G., and Karlstrom, E.T., Holocene moraine and soil stratigraphy, Bugaboo glacier, British Columbia. *Boreas*, vol. 18, p. 311-322.
- 1988 Karlstrom, E.T., Multiple paleosols in pre-Wisconsinan drift, northwestern Montana and southwestern Alberta. *Catena*, v. 15, p. 147-178.
- 1988 \_\_\_\_\_, Soil development in late Quaternary deposits, Waterton Park area, southwestern Alberta, *Geographie Physique et Quaternaire*, v. 42, no. 2, p. 147-162.
- 1988 \_\_\_\_\_, Rates of soil formation on Black Mesa, northeastern Arizona: a chronosequence in late Quaternary alluvium, *Physical Geography*, v. 9, no. 4, p. 307-327.
- 1988 Osborn, G. and Karlstrom, E.T., Holocene history of the Bugaboo Glacier, British Columbia, *Geology*, v. 16, p. 1015-1017.
- 1987 Karlstrom, E.T., Stratigraphy and genesis of five superposed pre-Wisconsinan soils on Mokowan Butte, southwestern Alberta, *Canadian Journal of Earth Sciences*, v. 24, no. 11, p. 2235-2253.
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- 1987 \_\_\_\_\_, Multiple pre-Wisconsin soils on Mokowan Butte, southwestern Alberta. *in*: Beus, S.S., ed., Rocky Mountain Section of the Geological Society of America Centennial Field Guide Volume 2, p. 25-28.
- 1987 Karlstrom, E. T., and Karlstrom, T. N. V., Late Quaternary alluvial history of the American West: Towards a process paradigm: Summary of a GSA symposium. *Geology*, January, p. 88-89.
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- 1986 Karlstrom, E.T., Stratigraphic and pedologic evidence for a relatively moist early Holocene on Black Mesa, northeastern Arizona. *Current Research in the Pleistocene*, v. 3, p. 81-83.

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### **GENERAL INTEREST PUBLICATIONS (non-refereed).**

2008 Karlstrom, E.T., Proposed Gas Drilling on the Baca National Wildlife Refuge, Colorado Central Magazine, April, No. 170, p. 39-42.

2008 \_\_\_\_\_, Facts and Perspectives on Lexam Explorations, Inc.'s proposed gas drilling activities on the Baca National Wildlife Refuge, self-published book and website (<http://waterwatchalliance.googlepages.com>).

1999 \_\_\_\_\_, Tibetan diaspora: the seed pod breaks, the Dharma is scattered. *Forefront*, v. 6, no. 3, p. 8-11.

1996 \_\_\_\_\_, Democracy for sale. *Forefront*, v. 3, no. 3, p. 20-22.

1993 \_\_\_\_\_, Perspectives on sustainability: The changing environment of Chase County, Kansas. *The Land Report*, no. 48, Fall, p. 35-38.

1993 \_\_\_\_\_, A pedologist's ruminations on soil: Observations on the soils of Chase County, Kansas. *The Land Report*, no. 47, Summer, p. 23-27.

1993 \_\_\_\_\_, Stewardship of the land: Man's proper role in nature. *Desert Call*, vol. 28, no. 4, p. 4-9.

1991 \_\_\_\_\_, On the relative importance of natural and human-induced climate changes. *ITEST (Institute for Theological Encounter with Science and Technology) Bulletin*, v. 22, no. 2, p. 7-8.

1990 \_\_\_\_\_, Marking the Music; the demons behind the noise. *Desert Call*, Part I: vol. 25, no. 3, p. 21-24, Part II: v. 26, no. 1, p. 7-9.

1989 \_\_\_\_\_, Tibetan holocaust; compassion for the enemy. Part I, *Desert Call*, v. 24, no. 2, p. 10-13, Part II, *Desert Call*, v. 24, no. 3, p. 8-11.

1983 \_\_\_\_\_, Mapping Reality: From Buddhism to the new physics: a new honors course at Northern Arizona University. *Forum for Honors*, National Collegiate Honors Council, v. XIII, no. 3, p. 9-14, 33-35.

### **PAPER PRESENTATIONS**

2008 Karlstrom, E.T., Late Quaternary landscape evolution and geoarchaeology of two drainages on Black Mesa, northeastern Arizona, (*abs.*) Abstracts with Program, 66<sup>th</sup> Annual Plains Anthropological Conference, Laramie, Wyoming, Oct. 1-4, p. 47.

- 1999 Karlstrom, E.T., Pebble fabric and genetic interpretation of multiple diamictos within Kennedy drift (pre-Illinoian) east of Glacier and Waterton National Parks, Montana and Alberta. (*abs.*) Abstracts with Programs, Geological Society of America Cordilleran Section Centennial Meeting, Berkeley, California, v. 31, no. 6, A-68.
- 1998 \_\_\_\_\_, How the glaciers had a wreck: Evidence for coalescence of Laurentide and Rocky Mountain glaciers east of Glacier National Park, Montana. (*abs.*) Abstracts with Programs. Geological Society of America 1998 Annual Meeting, Toronto, Canada . Vol. 30, no. 7, A-165.
- 1994 Karlstrom, E.T., and Osborn, G., Chronosequence of buried and surface soils (late Pleistocene and Holocene) in Bugaboo Glacier area, British Columbia. (*abs.*), Abstracts with Programs, Rocky Mountain Section Geological Society of America Meeting, Durango Colorado, May 4-6, p. 22.
- 1993 Karlstrom, E.T., Barendregt, R.W., Cioppa, M.T., and Irving, E., Paleomagnetism of superposed pre-Wisconsinan tills and associated paleosols (Kennedy Drift) in northern Montana and southwestern Alberta, and significance for glacial chronology. (*abs.*), Abstracts, 89th Annual Meeting, American Association of American Geographers, Atlanta, Georgia, April 6-10, p. 119.
- 1993 Karlstrom, E.T., Description, distribution, and paleoclimatic significance of relict periglacial features east of Waterton-Glacier Parks, Alberta and Montana (*abs.*), Abstracts with Programs, Cordilleran/Rocky Mountain Section, Geological Society of America Meeting, Reno, Nevada, May 19-21, p. 60.
- 1991 Cioppa, M., Irving, E., Karlstrom, E.T., and Barendregt, R.W., Paleomagnetism of three Quaternary sequences, southern Alberta and northern Montana. (*abs.*). Program and Abstracts, Scientific Meeting of the Canadian Geophysical Union, Banff., Alberta, May 8-10.
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- 1988 Karlstrom, E.T., Dahms, D., Mandel, R., and Dort, W., Jr., Properties and paleoclimatic significance of a strongly developed soil in "Kansan" till, Topeka, Kansas (*abs.*). Abstracts with Programs, 22nd Annual Meeting South-Central Section Geological Society of America, March 14-15, Lawrence, Kansas, p. 25.
- 1988 Karlstrom, E. T., and Reider, R. G., Buried relict, and modern soils on Pliocene (?) and Quaternary terraces of the high plains near Cheyenne, Wyoming (*abs.*). Abstracts

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- 1988 Karlstrom, E.T., and Osborn, G.D., Stratigraphy of Holocene tills and buried paleosols, Bugaboo glacier area, British Columbia, (*abs.*) AMQUA Abstracts, Program and Abstracts of the Tenth Biennial Meeting American Quaternary Association, Amherst, Massachusetts, p. 125.
- 1988 Oviatt, C.G., Karlstrom, E.T., and Ransom, M.D., Pleistocene loess, buried soils, thermoluminescence dates in an exposure near Milford Lake, Geary County, Kansas (*abs.*). Abstracts with Programs, 22nd Annual Meeting South-Central Section Geological Society of America, March 14-15, Lawrence, Kansas, p. 103.
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- 1986 Karlstrom, E.T., Probable ice-wedge casts east of Glacier Park, northwestern Montana. (*abs.*) Program and Abstracts of the Ninth Biennial Meeting American Quaternary Association, June 2-4, University of Illinois, Champaign-Urbana, p. 140.
- 1985 \_\_\_\_\_, Quaternary glacial and pedological history of Glacier-Waterton Park area, southwestern Alberta and northwestern Montana. (*abs.*) CANQUA Symposium on the paleoenvironmental reconstruction of the late Wisconsin deglaciation and the Holocene (Program-with-Abstracts and Field Guide), University of Lethbridge, August 21-24, Lethbridge, Alberta, p. 32-33.
- 1985 \_\_\_\_\_, Pre-Wisconsin paleosols on Mokowan Butte. in Barendregt, R.W., ed., CANQUA Symposium on the paleoenvironmental reconstruction of the late Wisconsin deglaciation and the Holocene, (*abs.*) Program-with-Abstracts and Field Guide), University of Lethbridge, August 21-24, Lethbridge, Alberta. p. 180-185.
- 1984 \_\_\_\_\_, Late Quaternary glacial and pedological history, Glacier-Waterton Parks, International Boundary area. (*abs.*) Abstracts with Programs, 37th Annual Meeting Rocky Mountain Section Geological Society of America, May 11-12, Durango, Colorado, p. 226.

- 1983 \_\_\_\_\_, Periglacial wedges in Flagstaff, Arizona and their paleoenvironmental significance. (*abs.*) 27th Annual Meeting of Arizona-Nevada Academy of Science, v. 18, 1983 Proceedings Supplement, April 16, Flagstaff, Arizona, p. 48.
- 1983 \_\_\_\_\_, Periglacial features and paleoenvironment in the Flagstaff region, northern Arizona: (*abs.*) Abstracts with Programs, Fourth International Conference on Permafrost, July 18-22, Fairbanks, Alaska, p. 144.
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- 1982 \_\_\_\_\_, Stratigraphy and genesis of soils in "Kennedy drift", Mokowan Butte, southwestern Alberta, (*abs.*). Abstracts with Programs, 1982, 35th Annual Meeting, Rocky Mountain Section, Geological Society of America, vol. 14, no. 6, p. 316.
- 1977 \_\_\_\_\_, Morphological characteristics of Altithermal soils of the Black Mesa area, northeastern Arizona. (*abs.*), Great Plains Rocky Mountain Journal, v. 6, no. 2, p. 404-405.