

January, 2002

CURRICULUM VITAE

CURTIS J. SORENSON

Personal Data:

Date and Place of Birth: December 5, 1940
Madison, Wisconsin

Marital Status: Married; two children

Mailing Address: Office Department of Geography
University of Kansas
Lawrence, Kansas 66045

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Lawrence, Kansas 66047

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Home Phone: 785-841-4672

Military Service:

U.S. Navy 1959-1963

Academic Training:

B.S. in Geography, University of Wisconsin, Madison, Wisconsin, January, 1968.
M.S. in Geography, University of Wisconsin, Madison, Wisconsin, January, 1970.
Ph.D. in Geography, University of Wisconsin, Madison, Wisconsin, December,
1973. Minor in Soils.

Honors and Awards:

Ford, University of Wisconsin Fellowships and NSF Trainee, 1969-1972
Sabbatical Leave, United States Geological Survey, Fall 1982.

Visiting Scientist, Centro Austral de Investigaciones Cientificas, Argentina, Jan-Feb 1987.

Invited Visiting Associate Professor of Geography, U.S. Military Academy, 1987-1988.

U.S. Army, Outstanding Civilian Service Medal, 1988.

Member, Board of Directors, Lawrence-Douglas County Department of Health, 1990-1996 (Vice Chairman, 1992, 1995; Chairman, 1993, 1994).

Member, Advisory Council, KU Federal Credit Union, 1992 to present.

Member, Interagency Board for Health Facility Review, 1993-1995.

Member, Program Review Committee, University of Colorado, Denver, Geography Department, 1994.

Member, Advisory Board, KU Energy Research Center, 1994 to present.

Member, Geography Anchor Panel, National Assessment of Educational Progress, Educational Testing Service, Princeton, New Jersey, 1995.

Member, 66 Federal Credit Union Board of Directors, 1996 to present.

Chair, Adhoc Technical Committee, Environmental Protection Program,

Lawrence/Douglas County Health Department, 1996-1997.

Vice President, Kansas Academy of Science, 1997.

President elect, Kansas Academy of Science, 1998.

President, Kansas Academy of Science, 1999.

Past President, Kansas Academy of Science, 2000.

Professional Associations:

American Quaternary Association

American Registry of Certified Professionals in Agronomy, Crops, and Soils

Association of American Geographers

Gamma Theta Upsilon - Geography Honorary Society

Institute for Tertiary-Quaternary Studies

Kansas Academy of Sciences

Kansas Association of Professional Soil Classifiers

St. George Geographical Society

Sigma Xi Scientific Research Society

Soil and Water Conservation Society

Soil Science Society of America

TEACHING AND SPECIAL INTERESTS

Topical Interests in Geography:

Physical Geography

Soils Geography

Paleoenvironmental Reconstruction

Special Interests in Physical and Soils Geography:

Geomorphology
Paleopedology
Geomorphic Processes in relation to Pedology
Arctic and Subarctic Paleoclimatology
Soil Mapping

Professional Experience:

Instructor, Department of Geography, University of Texas at Austin, 1972-73.

Assistant Professor, Department of Geography, University of Texas at Austin,
1973-75.

Assistant Professor, Department of Geography-Meteorology, University of Kansas,
1975-78.

Visiting Assistant Professor, Department of Geography, University of Wisconsin,
summer session, 1978.

Visiting Scientist, United States Geological Survey, Denver, June, 1982 to December,
1982.

Soil Scientist, United States Department of Interior, Bureau of Land Management,
Pinedale, Wyoming, field seasons of 1983 and 1984.

Visiting Associate Professor, Department of Geography and Computer Science, U.S.
Military Academy, West Point, New York, 1987-1988.

Chairman, Department of Geography, University of Kansas, 1988-1996.

Associate Professor, Department of Geography, University of Kansas,
1978-present.

Courses Taught:

Introduction to Physical Geography
Introduction to Physical Geology
Introduction to Landforms

Intermediate Physical Geography: Physiography of the U.S.
Conservation of Natural Resources
Maps and Map Interpretation
Advanced Physical Geography - Landforms
Soils: Morphology, Genesis, and Distribution
Elements of Soil Geography
Geomorphology
Soils of the Earth
Applied Soil Science
Field Techniques in Geography
Landforms of North America
Terrain Analysis
Seminars in Physical Geography
Seminars in Soil Geography
Seminars in Reconstruction of Paleoenvironments
Seminar in Soil and Water Issues For Local Governmental Agencies
Soil Mapping

RESEARCH ACTIVITIES - 1969 TO PRESENT

Major Research Supervised

Dissertations

David R. Butler

Late Quaternary Glaciation and Paleoenvironmental Changes in Adjacent
Valleys, East-Central Lemhi Mountains, Idaho (1982)

Raymond G. Mueller

Soil Genesis as Influenced by Three-Dimensional Landsurface Form in Two
Low-Order Drainage Basins in the Flint Hills of Kansas (1982)

Dennis E. Dahms

Eolian Sedimentation and Soil Development on Moraine Catenas of the Wind
River Mountains, West Central Wyoming (1991)

Kelly D. Gregg

Modeling the Role of Overland Flow in the Formation of Hillslopes (1994)

Richard Sleezer

Groundwater Vulnerability to Nitrate Pollution from Non-point Sources in
Harvey County, Kansas (2001)

Theses

Rebecca Filer

Pleistocene Deposits of the Hesper Plain (1979)

Rolfe D. Mandel

Climatic and Vegetative Change Inferred from Alluvial Paleosols in Central and South-Central Texas (1980)

Myron C. Dobson

Soil Textural Effects on Radar Response to Soil Moisture (1981)

Randall J. Schaetzl

Post Burial Alteration in Paleosols and Their Influence on Surface Soils, Brown County, Kansas (1983)

James E. Alldritt

Earth-Mound Characteristics and Possible Origins, Birch Creek Valley, East-Central Idaho (1986)

Mark W. Bowman

A Disparity in the Rate of Lateral Channel Cutting Between Two Reaches of the Kansas River (1986)

Johnna Jones

Soil Salinity Resulting from Secondary Oil Recovery in Anderson County, Kansas: Effects and Reclamation Efforts (1986)

Noel Kaplan

Evidence for Holocene Loess Accumulation in Soils of Northwestern Missouri (1987)

Scott M. Ackerman

A Comparison of Landsat MSS Algorithms Used with Soils and Topographic Data in Automated Vegetation Mapping of Arid Lands in Wyoming (1992)

Richard D. Miller

Calcium Carbonate Accumulations in Pawnee and Shelby Soils of Northeastern Kansas (1992)

Michael G. Noll

Microbial Properties of Kenoma Silt Loam Soil Under Agriculture and Native and Reseeded Prairie (1993)

Danielle L. Sipes

Differentiation Between the Upland Gymer and the Terrace Gymer Soil Mapping Units in Douglas County, Kansas (1997)

Jeffrey O'Connell

A Reconnaissance and Reconstruction of the Pinedale Glacial Chronology of Spring Mountain Canyon Complex, East-central Lemhi Range, Idaho (1998)

Matt Sampson

Stream Response to Channelization: A Case History of the West Nishnabotna River in Pottawattamie County, Iowa (2000).

Non-thesis masters

Daniel Breedlove (1994)

Philip E. Reed (1995)

John Banning (1999)

Committee Memberships - Geography and Other Departments

In addition to the theses and dissertations supervised, I have served on dozens of other thesis and dissertation committees. Approximately 30 of these were in Geography and 25 were in other departments and were also nearly evenly divided between the master's and doctoral levels.

Published Research:

Sorenson, C.J., J.C. Knox, J.A. Larsen, and R.A. Bryson, "Paleosols and the Forest-Tundra Border in Keewatin in N.W.T.," Quaternary Research, Vol. 1: 468-473, 1971.

Sorenson, C.J. and J.C. Knox, "Paleosols and Paleoclimates related to Late Holocene Forest/Tundra Border Migrations: Mackenzie and Keewatin, N.W.T., Canada," Proceedings of 5th Annual Conference, International Conference on the Prehistory and Paleoecology of Western North American Arctic and Subarctic, pp. 187-203, January, 1973.

Sorenson, C.J., R.D. Mandel, and J.C. Wallis, "Changes in Bioclimates Inferred from Paleosols and Paleohydrologic Evidence in East-Central Texas, Journal of Biogeography, Vol. 3: 141-149, 1976.

- Manners, I.R. and C.J. Sorenson, Shoal Creek: A Case Study of the Hydrological Impact of Urbanization, Department of Geography, University of Texas at Austin, 34 pp., 1974.
- Sorenson, C.J., "Soils of the Big Bend Area," in Geologic Field Guide to Mariscal Canyon. University Student Geological Society, University of Texas at Austin, 7 pp. 1975.
- Sorenson, C.J., "Reconstructed Holocene Bioclimates," Annals of the Association of American Geographers, Vol. 67: 214-222, 1977.
- Sorenson, C.J. and G.A. Marotz, "Changes in Kansas Shelterbelt Statistics During Four Decades," Journal of Soil and Water Conservation, Vol. 32: 276-281, 1977.
- Sorenson, C.J. and N.P. Psuty, "Paleoenvironments of Pleistocene Shorelines East of Tampa Bay, Florida," Committee on Marine Geography: Proceedings Association of American Geographers, pp. 45-55, 1978.
- Marotz, G.A. and C.J. Sorenson, "Depletion of a Great Plains Resource: The Case of Shelterbelts," Environmental Conservation, Vol. 6: 215-224, 1979.
- Sorenson, C.J. and B.L. Allen, "Land Use Suitability of the Llano River Terraces and Associated Soils in the Junction, Texas Vicinity," Texas Tech University, College of Agricultural Sciences Publ. T-4-159, 37 pp., 1979.
- Johnson, W.C., McMaster, R. and C.J. Sorenson, "Changing Rangeland Usage in Garden Park, Colorado," Great Plains-Rocky Mountain Geographical Journal, Vol. 9: 59-71, 1981.
- Sorenson, C.J. and D. Elliott, Letter to the Editor in the Canadian Journal of Soil Science, Vol. 61: 177-178, 1981.
- Mandel, R.D., C.J. Sorenson, and D.W. Jackson, "A Study of Erosion-Sedimentation Processes on Abandoned Coal Refuse Piles in Southeastern Kansas," Symposium on Surface Mining Hydrology, Sedimentology, and Reclamation. University of Kentucky, Lexington, 1982.
- Mandel, R.D. and C.J. Sorenson, "The Role of the Western Harvester Ant (*Pogonomyrmex occidentalis*) in Soil Formation," Soil Science Society of America Journal, Vol. 46: 785-788, 1982.
- Sorenson, C.J. and L.J. Schmits, "Soil and Loess Strata at the Hermann Site," in Reprints in Anthropology, Vol. 26, Prehistory and History of the Hermann Site (23GA 142), Gasconade County, Missouri. L.J. Schmits ed. pp. 14-22, 1983.

Butler, D.R., C.J. Sorenson, and W. Dort, Jr., "Differentiation of Morainic Deposits Based on Geomorphic, Stratigraphic, Palynologic, and Pedologic Evidence, Lemhi Mountains, Idaho, U.S.A." INQUA symposium vol. Tills and Related Deposits, E. Evenson, C. Schluter, and J. Rabassa, eds., pp. 373-380, 1983.

Shaklee, R.V., C.J. Sorenson, and C.E. Bussing, "Conversion of Agricultural Land in Wyandotte County, Kansas," Kansas Academy of Sciences, Vol. 87: 1-11, 1984.

Sorenson, C.J., W. Dort, Jr., and K.H. Sallee, "Environmental Geomorphology of the Kansas City - Lawrence Urban Corridor," Association of American Geographers Field Trip Guide, Lawrence, KS, (Great Plains-Rocky Mountain/West Lakes Divisions), pp. 1-29, 1984.

Sorenson, C.J., W. Dort, Jr., and R.D. Mandel, eds., Association of American Geographers Field Trip Guide, Lawrence, KS, 65 p. 1984.

Mandel, R.D., C.J. Sorenson, and D.W. Jackson, "Estimating Erosion Rates and Sediment Yields on Drastically Disturbed Lands," Papers and Proceedings of Applied Geography Conferences, Vol. 8, John W. Frazier ed., pp. 65-74, 1985.

Butler, D.R., C.J. Sorenson, and W. Dort, Jr., "Late Quaternary Glacial Sequence: East Central Lemhi Mountains, Idaho, U.S.A.," Quaternary Chronologies. W.C. Mahaney, ed. Geoabstracts Ltd., Norwich, U.K. pp. 423-435, 1984.

Sorenson, C.J., K.H. Sallee, and R.D. Mandel, "Holocene and Pleistocene Soils and Geomorphic Surfaces of the Kansas River Valley," in Quaternary Environments of Kansas. W.C. Johnson, ed., Kansas Geological Survey Guidebook Series 5, Lawrence, KS, pp. 93-102, 1987.

Sorenson, C.J., Soils Map of the Fremont Lake South Quadrangle, Sublette County, Wyoming. U.S. Geological Survey, Miscellaneous Investigations Map I-1800, 1987.

Schaetzl, R.J. and C.J. Sorenson, The Concept of "Buried" versus "Isolated" Paleosols: Examples from Northeastern Kansas, Soil Science, Vol. 143: pp. 426-435, 1987.

Madole, R.F., Ferring, C.R., Guccione, M.J., Hall, S.A., Johnson, W.C., and Sorenson, C.J., Quaternary Geology of the Osage Plains and Interior Highlands, in Morrison, R.B., ed., Quaternary nonglacial geology; Conterminous U.S.: Boulder, Colorado, Geological Society of America, The Geology of North America, Vol. K-2, 1991.

Noll, M.G., C.J. Sorenson and C.W. Rice, "Biological Condition of an Agricultural

Soil Six Years After Conservation Reserve," Transactions, Kansas Academy of Sciences, Vol. 98, Nos. 3-4, pp. 102-112, 1995.

Goldin, A., and C.J. Sorenson, "Particle Size Distribution Along a Pleistocene Terrace on the Florida Panhandle Gulf Coast", Southeastern Geologist, Vol.36, No. 4, pp. 203-210, 1997.

Reed, P.E., and C.J. Sorenson, "The Potential for Sodium and Salinity in the Soils of Kansas," Kansas Geological Survey Technical Series No.10, pp. 1-14, 1997.

Dahms, D.E., J.C. Gosse, R.D. Hall, M.C. Reheis, G.M. Richmond, R.R. Schroba, and C.J. Sorenson, "Relation Between Soil Age and Silicate Weathering Rates Determined from the Chemical Evolution of a Glacial Chronosequence: Comment and Reply," Geology, vol. , pp. 381-82. 1997.

Banning, J.W., and C.J. Sorenson, "Physical and Cultural Influences on the Performance of Septic Systems in Douglas County, Kansas," Transactions, Kansas Academy of Science, Vol.102, Nos. 3-4, pp.123-137, 1999.

Book Reviews:

Bird, J.B., The Natural Landscapes of Canada: A Study in Regional Earth Science, Wiley Publishers of Canada, 1972; in Bulletin, Special Libraries Association, No. 96, pp. 69-70, June, 1974.

Aandahl, A.R., "Soils of the Great Plains," University of Nebraska Press; in Journal of Soil and Water Conservation, Vol. 37: 339, 1982.

In Press:

Mandel, R.D. and C.J. Sorenson, Physical and Chemical Properties of Paleosols Formed in Pleistocene Alluvium of the Lower Colorado River, South-central Texas in Guidebook, South-central Friends of the Pleistocene, Texas A and M University.

In Progress:

Sorenson, C.J., J.J. van der Meer, E.B. Evenson and J. Rabassa, "The Occurrence and Character of a preIllinoisan Soil Derived from Till in Patagonia," draft circulating prior to submission to Physical Geography.

Sorenson, C.J. and D. Dahms, "Cationic Characteristics of Surficial Soils in the Green River Basin of Wyoming and their Importance in Eolian Transport," data collected and under analysis. We expect to submit this manuscript to Soil Science Society of America Journal.

Sipes, D.L. and C.J. Sorenson, "Differentiation of Upland and Terrace Gymer Soil Mapping Units, Douglas County, Kansas," manuscript in progress to be submitted to Soil Science Society of America Journal.

Research Reports Published:

Filer, R.L. and C.J. Sorenson, "Soils and Geomorphic Study of a Portion of the Little Blue River Area," in Brown, K.L., Historic and Prehistoric Resources of the Blue Springs and Longview Lakes, Jackson County, Missouri, Survey Report to the U.S. Army Corps of Engineers, 1977.

Schmits, L.J., C.A. Wright, J.A. Sartain, and C.J. Sorenson, "Mill Creek Phase II Archaeological Test Excavations," Environmental Systems Analysis, Inc. Cultural Resources Management Report Number 4. Report to the Environmental Protection Agency, 185 pp., 1981.

Nixon, J.M., M.C. Hamilton, L.J. Schmits, C.J. Sorenson, and J.L. Harl, Phase II Level Archeological and Geomorphological Testing at Site 23SL140A, St. Louis County, Missouri. Archeological Survey, University of Missouri-St. Louis, Research Report #5, 124 pp., 1982.

Schmits, L.J., B.C. Bailey, R.E. Brooks, R.L. Roberts, C.J. Sorenson and C.A. Wright, "Prehistory and History of the Hermann Site (23GA 142) Gasconade County, Missouri," Environmental Systems Analysis Cultural Resource Management Report Number 8, Overland Park, KS, 146 pp., 1983.

Sorenson, C.J., Soil-Geomorphic Relationships at the Chesterfield Site, pp. 28-37 in: The Chesterfield Site (23 SL 38/436), St. Louis County, Missouri, L.J. Schmits, ed. Environmental Systems Analysis, Inc. Cultural Resources Management Report Number 19, Overland Park, KS, 128 pp., 1984.

Sorenson, C.J., Parent Materials and Topographic Features of the Pinedale Resource Area. Report to the Bureau of Land Management, Rock Springs, WY, 27 pp. and 50 maps, 1985.

Papers Presented at Professional Meetings:

"Paleosols, the Forest-Tundra Border, and Climatic Change," paper presented at the

October, 1971 meeting of the West Lakes Branch of the Association of American Geographers, Iowa City, Iowa.

Forest Border Migration and Paleo Air Mass Frequency Estimates from Keewatin and Mackenzie, N.W.T.," paper presented at the November, 1972 meeting of the Calgary Archeological Association, Calgary, Alberta, Canada.

"The Genetic History of Paleocoastal Features near Ruskin, Florida. A Comparative Study," paper presented at the annual meeting of the Southwest Social Science Association, March, 1973, Dallas, Texas.

"Soils, Paleosols, and Paleoclimates in the Vicinity of the Forest/Tundra Ecotone of Central Canada," paper presented to the Association of American Geographers, Seattle, Washington, May, 1974.

"Paleosols and Paleoenvironmental Reconstructions along the Texas-Colorado River," paper presented at the Soil Survey Technical Planning Conference for Texas, College Station, Texas, February, 1975.

"Changes in Bioclimate Inferred from the Distribution of Paleosols along Central Texas Rivers," paper presented at the annual meeting of the Association of American Geographers, Milwaukee, Wisconsin, April, 1975.

"Paleosols as Indicators of Paleobotany and Paleoenvironments: Some Examples from North America," paper presented at the annual meeting of the Association of American Geographers, New York City, April, 1976.

With B.L. Allen, Texas Technological University, "Soil/Geomorphic Relationships in the Upper Llanos River Basin," paper presented at the annual meeting of the Great Plains-Rocky Mountain Division of the Association of American Geographers, Manhattan, Kansas, October, 1976.

With G.A. Marotz, University of Kansas, "Some Problems with Federal Surveys in Kansas," paper presented at the annual meeting of the Kansas Academy of Science, Hays, Kansas, April, 1977.

With N.P. Psuty, Rutgers University, "Paleoenvironments of Pleistocene Shorelines East of Tampa Bay, Florida," paper presented at the annual meeting of the Association of American Geographers, New Orleans, Louisiana, April, 1978.

With R.D. Mandel, University of Kansas, "The Impacts of the Western Harvester Ant (*Pogonomyrmex occidentalis*) on Soil Formation and on Soil Ecology," paper presented at the annual meeting of the Rocky Mountain-Great Plains Division of the

Association of American Geographers, Denver, Colorado, October, 1978.

With A.M. Davis, University of Toronto, "Holocene Environments of Northern Quebec," paper presented at the annual meeting of the Association of American Geographers, Philadelphia, Pennsylvania, April, 1979.

With W.C. Johnson, University of Kansas and A.M. Davis, University of Toronto, "Evidence for Holocene Bioclimatic Stability Northern Labrador/Quebec," paper presented at the eighth annual Eastern Canadian Arctic Workshop, Institute for Arctic and Alpine Research, Boulder, Colorado, May, 1979.

"The Nature of Changes in Geomorphic Features Across Treeline in Central Canada," paper presented at the annual meeting of the Rocky Mountain/Great Plains Division of the Association of American Geographers, Grand Forks, North Dakota, October, 1979.

"Paleosol Frequency as a Measure of Climatic Complacency Along the Forest Border in Keewatin/Mackenzie and Labrador/Quebec," paper presented at the annual meeting of the Association of American Geographers, Louisville, Kentucky, April, 1980.

With W. Dort, Jr., University of Kansas and M.A. Fosberg, University of Idaho, "Geomorphic Interpretations of Multiple Paleosols, Lemhi Range and Snake River Plain, East Central Idaho," paper presented at the annual meeting of the Rocky Mountain Section of the Geological Society of America, Rapid City, South Dakota, April, 1981.

With R.D. Mandel, University of Kansas, "Mine Soil Characteristics and Erosion-sedimentation Potentials in Abandoned Mine Lands of Southeastern Kansas," paper presented at the annual meeting of the Association of American Geographers, Los Angeles, California, April, 1981.

With D.R. Butler and W. Dort, Jr., University of Kansas, "Differentiation of Morainic Deposits Using Palynologic, Pedologic, Geomorphic, and Stratigraphic Evidence from the Lemhi Mountains of Idaho," paper presented at the Commission on the Genesis and Lithology of Quaternary Deposits, International Quaternary Association, Jackson, Wyoming, August, 1981.

With J.E. Alldritt and W. Dort, J., "Earth Mound and Landscape Characteristics in a Valley in East Central Idaho," paper presented at the annual meeting of the Association of American Geographers, San Antonio, Texas, April, 1982.

With R.D. Mandel and D.W. Jackson, "A Study of Erosion-Sedimentation Processes on Abandoned Coal Refuse Piles in Southeastern Kansas," paper presented at the

National Symposium on Surface Mining, Hydrology, Sedimentology and Reclamation, Lexington, Kentucky, December, 1982.

"Geology, Geomorphology, and Soils Mapping in Sublette County, Wyoming," invited paper presented at the annual meeting of the Kansas Association of Professional Soil Classifiers, Manhattan, Kansas, January, 1984.

"Saline Soils Attributable to Geomorphic Processes in the Green River Basin, Wyoming," paper presented at the annual meeting of the Association of American Geographers, Washington, D.C., April, 1984.

With R.D. Mandel and D.W. Jackson, "Estimating Erosion Rates and Sediment Yields on Drastically Disturbed Lands," paper presented at the Conference on Applied Geography, Denton, Texas, October, 1985.

With L.J. Schmits, "Soils, Archaeology and Holocene Loess at Hermann, Missouri," paper presented at the 4th Annual Symposium of the Institute for Tertiary-Quaternary Studies (TER-QUA), Lawrence, Kansas, October, 1985.

"Holocene Loess of the Great Plains," paper presented at the annual meeting of the Kansas Association of Professional Soil Classifiers, Manhattan, Kansas, January, 1986.

"Soils and Glacial Geology of the Fremont Lake South Quadrangle, Sublette County, Wyoming," paper presented at the annual meeting of the Association of American Geographers, Minneapolis, Minnesota, May, 1986.

With R.D. Mandel and K.H. Sallee, "Soils and Geomorphic Surfaces of the Kansas River Valley," paper presented at the annual meeting of the Association of American Geographers, Portland, Oregon, April, 1987.

With J. van der Meer "Soils Derived from Glacial Deposits in the Central Andean Piedmont, Argentina," paper presented at the annual meeting of the Association of American Geographers, Phoenix, Arizona, April, 1988.

"Soils of the Hudson River Valley," paper presented at the 1989 annual meeting of the Kansas Association of Professional Soil Classifiers, Manhattan, Kansas, February, 1989.

"The Soil-Geomorphic Setting of the Quindaro Site," paper presented at the 11th Annual Flint Hills Archaeological Conference, Lawrence, Kansas, March, 1989.

With R.J. Dineen and W.J. Reynolds, "Sediments and Post-glacial Lakes, Near West

Point, New York," paper presented at the annual meeting of the Association of American Geographers, Baltimore, Maryland, March, 1989.

Field trip co-leader with G.M. Richmond, P.W. Birkeland and D.E. Dahms, "Glacial Geology and Soils of the Wind River Mountains of Wyoming", presentation for the annual meeting of the Rocky Mountain Friends of Pleistocene, Pinedale, Wyoming, August, 1989.

With H. Dickey, "The Significance of Sandy Soils on Terraces of the Kansas River Valley," paper presented at the annual meeting of the Kansas Association of Professional Soil Classifiers, Lawrence, Kansas, January, 1990.

With R.D. Mandel and J. Jacob, "Properties and Genesis of an Iron-Cemented Paleosol Developed in Pleistocene Alluvium of the Colorado River, South Central Texas," paper presented at the annual meeting of the Great Plains-Rocky Mountain Division of the Association of American Geographers, Manhattan, Kansas, October, 1992.

With M. Noll and C.W. Rice, "Microbial Properties of Kenoma Silt Loam Soil Under Cultivation and Native and Reseeded Prairie," paper presented at the annual meeting of the Great Plains-Rocky Mountain Division of the Association of American Geographers, Manhattan, Kansas, October, 1992.

With C.O. Moses, J.L. Azar, and E.B. Evenson, "Discriminating Between Moraines of Different Age on the Basis of Soil Chemical Development," paper presented at the annual meeting of the Northeast Geological Society of America, Harrisburg, Pennsylvania, 1992.

With W.H. Boltz and W. Dort, Jr., "Interpretation of the 'Topeka Terminal Moraine'", paper presented at the Kansas Academy of Science, Kansas City, Missouri, April, 1993.

Guest speaker, National Geography Awareness Week, "Scenes from the Bridger-Teton Wilderness Area, West-Central Wyoming," Northwest Missouri State University, Maryville, Missouri, November, 1994.

With A. Goldin, "Soils and Grain-size Characteristics of Holocene and Pleistocene Surfaces Along the Florida Gulf Coast," paper presented at the annual meeting of the Association of American Geographers, Chicago, Illinois, March, 1995.

With J.C. Gosse, W. Dort, J. Grimes, G. Hecht, J. Klein, and B. Lawn, "How Fast is the Kansas Dissected Till Plain Eroding into the Gulf of Mexico?" paper presented at the TERQUA Symposium, Alva, Oklahoma, March, 1997.

With P.E. Reed, "Saline Soils in Kansas," paper presented at the annual meeting of the Kansas Association of Professional Soil Classifiers, Hays, Kansas, April, 1997

With D.L. Sipes, "Differentiation between the Upland Gymer and the Terrace Gymer Soil Mapping Units in Douglas County, Kansas," paper presented at the annual meeting of the Association of American Geographers, Ft. Worth, Texas, April, 1997.

With J.C. Gosse, W. Dort, D. Steeples, J. Grimes, G. Hecht, J. Klein, and B. Lawn, "Insights on the Depositional Age and Rate of Denudation of the pre-Illinoian Till in Kansas from Terrestrial Cosmogenic Nuclides," poster presented at the North Central sectional meeting, Geological Society of America, Madison, Wisconsin, May, 1997.

With P.T. Davis, J.C. Gosse, M. Romito, J. Klein, D.E. Dahms, and G. Zielinski, "Younger Dryas Age for the Type Titcomb Basin and Type Temple Lake Moraines, Wind River Range, Wyoming, U.S.A.," paper presented at the annual meeting, Geological Society of America, Toronto, Ontario, Canada, October, 1998.

With J.C. Gosse, P.T. Davis, G. Burr, A.J.T. Jull, S. Bozarth, J. Klein, B. Lawn, and D. Dahms, "Late Pleistocene/Holocene Glacial and Paleoclimatic History of Titcomb Basin, Wind River Range, Wyoming Based on Lake Sediments and Cosmogenic Nuclide Dating," poster presented at the annual meeting, Geological Society of America, Denver, Colorado, October, 1999.

With D.S. Jackofsky, J. Gosse, T.E. Cerling, E.B. Evenson, J. Klein, D.J. Easterbrooke, K.P. Peterson, K.P. Spies, J. Fisher, and M. Caffee, "Latitudinal Variations in the Timing of Alpine Glacier Retreat from LGM, Southern South America," paper presented at the annual meeting of the Geological Society of America meeting, Reno, Nevada, October, 2000.

References:

Prof. James C. Knox
Dept. of Geography
University of Wisconsin
Madison, WI 53706
608-262-1804

Prof. James R. Shortridge
Department of Geography
University of Kansas
Lawrence, KS 66045

913-864-5539

John P. Augelli
Department of Geography
University of Kansas
Lawrence, KS 66045
913-864-5143

Supplement to Curriculum Vitae

Major service activities in last ten years:

Department

Member of Graduate Recruitment and Evaluation Committee, Curriculum Committee, and Staff (salary) Committee.

Chaired one Search Committee and served on three others prior to 1987.

Initiated departmental long range plan.

Initiated departmental co-op agreement with Bureau of Indian Affairs to train Native American students in latest geographic technologies.

Department Chair, 1988-1996.

Curriculum Committee, 1996-1999.

Chair, GIS Search Committee, 1997-1998.

Student Affairs Committee, 2001-present.

University

Member of Graduate Studies Committee, Committee on Sabbatical Leaves, First Level Review Committee, and Faculty/Senate Research Committee prior to 1988.

Member of College Search Committee for Associate Dean 1990.

Member of Search Committee in Environmental Studies 1991.

Member of Search Committee in Geology 1995.

Member of Search Committee in Anthropology 1998.

Member Summer and Dissertation Fellowship Awards Committee 1996-98.

Hearing Panelist, Committee on Academic Misconduct 1997-99.

Participant, Kansas Whirlwind Wheat State Tour, May 2001.

State and National

Member, Kansas Association of Soil Classifiers, 1985 to present, President, 1990.

Geography Editorial Consultant for Kansas Academy of Sciences, 1984 to present.

Proposal reviewer for National Science Foundation and National Geographic Society.

Organizer and Chair as well as participant for numerous sessions of the Association of American Geographers, Kansas Association of Professional Soil Classifiers, Friends of the Pleistocene, Kansas Academy of Sciences, Geological Society of America, International Quaternary Association, Institute for Tertiary-Quaternary Studies, and Flint Hills Archeological Conference.

Elected Vice President, Kansas Academy of Science, 1996

President elect, Kansas Academy of Science, 1997.

President, Kansas Academy of Science, 1999.

Past President, Kansas Academy of Science, 2000 and organizer of 2001 annual meeting.

Member, G.K. Gilbert Award Selection Committee of the Association of American Geographers, 1987-1990, Chairman, 1990.

Member, Professional Advisory Council, Department of Geology and Geography, Northwest Missouri State University, 2001 to present.

Member, Board of Directors, 66 Federal Credit Union, 1996 to present.

Member, Board of Directors, Van Go Mobile Arts, 2001 to present.

Regular reviewer of manuscripts submitted to journals including Annals, of the

Association of American Geographers, The Professional Geographer, Soil Science, Quaternary Research, Journal of the Soil Science Society of America, The Transactions of the Kansas Academy of Sciences, Arctic and Alpine Research.

Reviewer of colleagues for promotion and tenure at the University of Northern Iowa, Michigan State University, University of Georgia, University of Minnesota, University of Florida, University of West Florida, and University of Arkansas in addition to the University of Kansas.

Grants

"Visiting Professor for the Department of Geography," United States Army, \$55,309, 1987.

"Data Access and Support Center (DASC)," Kansas Water Office, \$22,000, 1991.

"In Kind Equipment from Bureau of Indian Affairs to Establish the Bureau of Indian Affairs Co-op Agreement with the Department of Geography," \$10,000, 1991.

"GIS Supportive Services: KU," Kansas Water Office, \$11,229, 1991.

with Steeples, D., "Study of the Geology, Soils and the Geomorphology of Mass Wastage in the Upper Saline River Valley, Ellis County, Kansas," Kansas Geological Survey, \$5,000, 1995.

"Proposal to Train Native American Students in GIS Technologies," submitted to Applied Minority Program (an NSF pass through), Montana State University, \$24,000, October, 1995, awarded January, 1996.

Earth and Space Science Technological Education Project Workshop 1999-2000. Ca. \$2000 plus travel, room, and board. Notified of acceptance March 31, 1999.

Faculty mentor on NIH Bridge to Baccalaureate Degrees proposal, James Orr, P.I. This proposal in the amount of \$325,000 is designed to run for 2 years and was submitted in December, 1998 and accepted in April, 1999.

Submitted:

Gosse, J.C. and C.J. Sorenson, Terrestrial cosmogenic nuclide chronometry for pre-Illinoian drifts. Submitted to National Science Foundation, December 1, 1996. \$132,644. Not funded.

Sorenson, C.J. and L.E. Kichler, "New Techniques for Mapping Soils and Hydrology

in Riparian Areas along Low Order Stream Channels," Environmental Protection Agency, December, 1997. \$37,400. Not funded.

List of Collaborators in the Past Three Years

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