

**CURRICULUM VITAE FOR  
Kenneth R. Neuhauser**

General: Department of Geosciences  
Fort Hays State University  
Tomanek Hall 243 Office: 785-628-5349  
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Degrees: B.S. Geology, University of Wisconsin (Madison) 1969  
M.S. Geology, University of South Carolina (Columbia) 1971  
Ph.D. Geology, University of South Carolina (Columbia) 1973

**Professional Experiences:**

1989- Professor of Geology, Fort Hays State University (FHSU), Hays, Kansas  
1988-04 Consultant – Applied Geophysics [environmental/archaeology]  
1980-88 Associate Professor of Geology, Fort Hays State, Tenured (1987)  
1973-79 Assistant Professor of Geology, Radford University, Radford, Virginia  
1973 University Instructor, University of South Carolina, Columbia, South Carolina  
1969-73 Teaching Assistant, University of South Carolina  
1967-68 Soils Engineer Aide I, Wisconsin Dept. of Transportation, Milwaukee, Wisconsin  
1966 Forestry Field Foreman, Wisconsin Dept. of Forestry, Price County, Wisconsin

**Courses Taught:**

Structural Geology	Environmental Geology
Geologic Field Methods	Introduction to Geology
Geology Field Camp (Director)*	Geology Field Trips**
Physical Geology	Grad. & Undergrad. Seminars
Applied Geophysics	Depositional Sedimentary Environments
Economic Geology	Computer Applications in Geology
Historical Geology	Physical Oceanography
Topics: GeoVideo	Introduction to Geology Lab
Senior Experience	Applied Geophysics Workshops KSBTP

\*\* GSCI 355 Series – following 10 trip themes (focus): Lake Wilson, Ellis County, Chalk Beds, Water, Fossils, Central and NE Kansas, SE Kansas, Colorado Front Range, NE New Mexico/SE Colorado, and Geology of Wine, [Geology of Beer in prep]

2007 Developed GSCI 102 Intro to Geology Lab on-line Virtual College

2006 Taped and developed Virtual College course for Introduction to Geology

2003-04 Developed Blackboard course for Geology of National Parks

1992-99 Virtual College: Earth Revealed, Oceanography, Environmental Geosciences, Environmental Geology [all Video Media; the latter consists of my lectures produced at FHSU in SU 1996 and re-taped in Spring 2004]

- \*1980-84: FHSU Geology Field Camp, co-taught with Kansas State and Wichita State Universities in Colorado.
- \*1985-88; 90 Developed new FHSU Geology Field Camp in Colorado and Utah.
- \*1989: Developed new FHSU Geology Field Camp in Nebraska, Iowa, Wisconsin, Upper Michigan & Minnesota.
- \*1993-96: Developed new FHSU Geology Field Camp in New Mexico, Arizona, Utah, Colorado and Kansas.
- \*1997: Developed new Field Camp in Ontario, Canada, Michigan, and Wisconsin.
- \*1998: Developed new Field Camp in Southern Appalachians and Florida.

### **Honors & Distinctions:**

- 2008 Pilot Teaching Award, nominee, FHSU
- 1999 Presidents Distinguished Scholar Award
- 1998 Outstanding Medicated Teacher Award, nominee, FHSU
- 1997 Outstanding Medicated Classroom Teacher, nominee, FHSU
- 1996 Outstanding Medicated Classroom Teacher, nominee, FHSU
- 1996 Presidents Distinguished Scholar Award, nominee, FHSU
- 1993 Research Sabbatical granted, FHSU
- 1993 Pilot Teaching Award, FHSU, won top honor
- 1993 Research Sabbatical granted, FHSU
- 1993 Pilot Teaching Award, nominee, made final four, FHSU
- 1989 Presidents Distinguished Scholar Award, nominee, FHSU
- 1987 Research Sabbatical granted, FHSU
- 1984 Pilot Teaching Award, nominee, FHSU
- 1979 Award for Excellence in Teaching, nominee, Radford University

### **Service:**

- 2007-08 Chair, Petroleum Geology Search Committee
- 2007-08 Chair, GSCI Tenure Committee
- 2007 Report to Hays Parks Commission on remote sensing of municipal golf course
- 2006-08 Facilitate SW Kansas Recruitment initiative.
- 2006-08 Facilitate Petroleum Geology degree program initiative.
- 2007 GSCI Geology Academic Audit, Chair
- 2001-05 Presidents Distinguished Scholar Committee
- 2001-05 Facilitated Grant and development of Tomanek Hall Dinosaur Display
- 2003-06 Acting Chair (off and on, few days to a week)
- 2003-04 Chair – GSCI Mineralogist/Petrologist Search Committee
- 1998 CTELT Director Search Committee, FHSU.
- 1998 FHSU Academic Standards Graduate Council Committee.
- 1997 Chair, Annual Meeting of the Kansas Academy of Sciences, FHSU.

- 1996 FHSU Multimedia Teacher Award Committee
- 1996 FHSU Arts & Sciences Teaching Awards Committee.
- 1996 FHSU Interfaculty Colloquia: A Limestone Garden, FHSU campus.
- 1994 Guest Lecturer, Sigma XI: Geosciences, GIS, and High-Tech Applications, FHSU.
- 1994 Guest Lecturer, Archaeological Dig: Kansas Anthropological Society, Arkansas City, Kansas.
- 1994-97 Faculty Senate.
- 1994-97 Student Affairs Committee.
- 1993-94 GeoExplore workshops provide to regional high schools.
- 1993-94 Magnetometer workshop for continuing Education Earth Revealed classes.
- 1988-96 Kansas Geologic State Mapping Committee.
- 1991-93 Water Wellhead Protection Committee participant.
- 1991 Department of Geosciences Promotion Committee.
- 1991 Chair, Geosciences Chair Search Committee.
- 1991-95 FHSU Computer Advisory Committee.
- 1991-98 FHSU Geographic Information Systems (GIS) Advisory Committee, Co-chair
- 1991 Arranged Forensics Geophysics Workshop for FHSU students, Denver, Colorado.
- 1984-98 Department geophysics and computer lab maintenance and organization.
- 1990-93 Department of Earth Sciences Endowment Committee Chair.
- 1989-94 Midwestern Association of Graduate Schools' Distinguished Masters' Thesis Award Competition Committee.
- 1990 College of Arts & Sciences Promotions Committee.
- 1989 Physics Chair Search Committee, College of Arts and Sciences.
- 1989 Treasurer, Kansas Acad. of Sciences, Annual Meeting.
- 1989 Instructor, FHSU Campus Camporee Merit Badge Counselor.
- 1985-88 Member, Graduate Council, FHSU.
- 1984-90 Arranged four on-campus geophysics/well-logging workshops for FHSU students.
- 1985-86 Secretary/Treasurer FHSU's Faculty Men's Club.
- 1985-96 Prepared numerous items for department's action plans.
- 1981-96 Faculty Sponsor Sternberg Geology Club, FHSU.
- 1981-96 Ad hoc departmental committees [numerous].
- 1974-79 Faculty Sponsor, Geology Club, Radford University.
- 1983 Lecturer at FHSU sigma Xi Club meeting.
- 1984-87 Several presentations to local grade schools.
- 1985-93 Several geophysics workshops to local high schools.
- 1983-97 Numerous TV and newspaper interviews.
- 1982-91 Several seminars to Sternberg Geology Club.
- 1984-98 Interviews with University Leader and FHSU Yearbook.

**Additional Education:**

- 2007-08 Respondus software workshop(s)
- 2001+ Blackboard, Articulate Presenter CTELT, FHSU, DyKnow
- 1998 Lotus Notes and Learning Space, CTELT, FHSU

- 1997 Practical Remote Sensing for Geology Workshop, GSA, Salt Lake City, UT
- 1997 ArcView Workshop, ESRI, FHSU, Hays, KS.
- 1996 GPS in the Earth Sciences, GSA Annual Meeting, Denver, CO
- 1996 ArcView Workshop, ESRI, St. Charles, Missouri.
- 1994-96 Numerous CTELT workshops and seminars.
- 1994 GIS Workshop, FHSU, Co-Leader.
- 1993 GIS and the Geosciences, GSA Annual Meeting, Boston, Massachusetts.
- 1993 Geocomputer Mapping Workshop, GSA Annual Meeting, Boston, Massachusetts.
- 1993 Science Classroom of the Future, Workshop, GSA Annual Meeting, Boston, Massachusetts.
- 1993 ArcInfo GIS Workshop, University of Kansas, Lawrence, Kansas.
- 1993 DNR-GIS Expo-93, GIS Workshop, Madison, Wisconsin.
- 1992-93 Interactive Television Workshop, FHSU.
- 1993 GIS/GPS Workshop, KSU-Salina, Kansas.
- 1992 ArcInfo GIS Workshop, University of Kansas, Lawrence, Kansas.
- 1992 ArcView GIS Workshop, Kansas State University, Manhattan, Kansas.
- 1992 Environment Issues: Local & Global; BSHA 772
- 1992 IDRISI-GIS Workshop, Kansas State University, Manhattan, Kansas.
- 1991 FHSU Cooperative Learning Training Workshop, FHSU.
- 1991 Geological Mapping of Kansas Planning Program, Kansas Geological Survey, Lawrence, Kansas.
- 1990 Geophysical Well Logging, Short Course (ESC 757), FHSU, J.R. Doveton, Kansas University.
- 1990 Computer Application in Geophysics, FHSU, AAPG Visiting Petroleum Guest Lecture Series.
- 1988 Microcomputers in Structural Geology, GSA Centennial Meeting Workshop, Denver, Colorado.
- 1988 Seismic Expression of Structural Styles, AAPG, Denver, Colorado.
- 1988 Scanning Electron Microscopy, FHSU, Hays, Kansas.
- 1987 Computer Surface Trend Analysis, Kansas Geological Society, Wichita, Kansas.
- 1987 RMAG-GEOTECH Microcomputer Conference-Workshop: Geologic Software, Denver, Colorado.
- 1986 Structural Geology, AAPG, Park City, Utah, Professional grant.
- 1986 Use of experimental models to aid in structural interpretation, AAPG, Denver, Colorado.
- 1985 Zenith-150 MicroComputer Applications, FHSU.
- 1983 Geophysics in Kansas, Kansas Geological Society.
- 1983 Tectonic & Sediment Analysis of Deltaic Facies, SEPM, Tulsa, Oklahoma.
- 1982-85 American Stratigraphic (AMSTRAT) Well Sample Workshops at FHSU.
- 1982 Hydrogeology of Dakota Aquifer, Lincoln, Nebraska.
- 1982 BASIC for Microcomputers, FHSU.
- 1982 Basic Well Log Analysis for Geologists, AAPG, Oklahoma City, Oklahoma.
- 1980 Applied Geophysics & Seismic Theory, Soiltest, Inc., Baraboo, Wisconsin.

**Research Grants:** [Note: not all grants submitted are included in list]

- 2008 The Ross & Marianna Beach Foundation, \$500,00 [in review]
- 2008 Workforce Solutions Fund-Kansas Department of Commerce, \$108,008.00.
- 2008 Seismic Micro-Technology, Inc. grant, \$2,950,000.00
- 2008 FHSU SGA-EOF Grant, \$1400
- 2007 Seismic Micro-Technology, Inc. KINGDOM software grant, \$74,820.00
- 2007 FHSU SGA-EOF Grant, \$2150
- 2006 ESA SAR Interferometry ENVISSAT ASAR Oilfield Land Subsidence Russell County, KS
- 2006 FHSU SGA-EOF Grant, \$2080
- 2005-09 Kansas Department of Transportation: \$25,850: I-70 Sinkhole Subsidence Survey, Five year project; DSAR-ESA (synthetic aperture radar analysis) component
- 2005 Kansas Geological Survey: \$5000: Remote Sensing/GIS Hays Impervious Zones
- 2005 FHSU SGA-EOF Grant, \$1950
- 2004 Kansas Geological Survey: \$5000: GIS-Hays Landfill Life Expectancy
- 2004 FHSU SGA-EOF Grant, \$1680
- 2003 FHSU SGA-EOF Grant, \$1350
- 2002 Dane Hansen Foundation: \$15,000: Dinosaur Display Tomanek Hall
- 2002 FHSU SGA-EOF Grant, \$1200
- 2001 FHSU SGA-EOF Grant, \$1090
- 2000 FHSU SGA-EOF Grant, \$905
- 1999 FHSU SGA-EOF Grant, \$750
- 1998 FHSU SGA-EOF Grant, \$600
- 1997 FHSY SGA-EOF Grant, \$600
- 1997 FHSU Faculty Development Grant, \$350
- 1997 FHSU Student Government Equal Opportunity Fund Grant, \$1500
- 1996 FHSU Faculty Development Grant, \$300
- 1996 FHSU Student Government Equal Opportunity Fund grant, \$668
- 1996-99 Kansas Geological Survey, Field Research Grant: The Surficial geological Mapping of Osborne County, \$8000
- 1995 Environment geophysics research, FHSU Summer Salary Research, \$2500.
- 1994 WalMart Environment Projects Academic Scholarships, \$500.
- 1994 GIS environment research, FHSU Summer Salary Research, \$3000.
- 1993 WalMart Geosciences Student Scholarship, \$300.
- 1993 WalMart Environmental Projects Academic Scholarships, \$2000.
- 1993 FHSU Magnetometer environmental research, sabbatical.
- 1993 FHSU Student Government EOF Grant, Historic Fort Hays, \$900.
- 1993 FHSU Student Government EOF Grant, Environment research for City of Hays, 900.
- 1993 FHSU Summer Salary Research Grant: Magnetometer Research, \$3000.
- 1993-8 Soiltest Equipment [Electrical Resistivity] Grant, \$5000, in review.
- 1993-8 Hansen Foundation, GeoExplore Summer Institute 1994, \$30,000, in review.
- 1992 FHSU Library Discretionary Grant, \$295, GIS.
- 1992 FHSU Student Government Equipment Grant: Pace American Trailer, \$2000.
- 1992 FHSU Graduate School Research Grant, \$560. GIS application to road stability.

- 1990 TerraStation Software Grant, Terrasciences, Inc., \$60,000.
- 1989 Surface III Geologic Software Grant, Interactive Concepts, Inc: \$33,500.
- 1989-90 National Science Foundation (NSF) Equipment Grant: \$32,000 (NSF = \$15,000; FHSU = \$17,000), Structural Geology Computer Laboratory.
- 1989 Kansas Geological Survey, Surficial geologic mapping of Ness County, Kansas; \$7,000.
- 1986-88 Kansas Geological Survey-Field Research Grant: The geological mapping of Ellis County, Kansas; digitized data base for KGS geologic map of Kansas: Decade of North American Geology (DNAG), \$8,000.
- 1986 Soiltest Inc. (Baraboo, WI)-Equipment Grant: \$4,000. MD-9A Signal Enhancement Seismic Refraction System.
- 1984 FHSU-Research Grant: Magnetic Survey = \$235.
- 1982-3 FHSU-Research Grant: Gravity Survey = \$473.
- 1981 FHSU-Research Grant: Structural Mapping = \$305.
- 1980 Soiltest Inc. (Baraboo, WI) Equipment Grant: MD-5 & MD-7 Portable Refraction Seismographs; ER-2 Earth Resistivity Meter, \$4,500.
- 1972-73 Sigma Xi Research Award, \$250.
- 1972 GSA-Penrose Bequest Research Grant, \$350.
- 1969-73 North Carolina Division of Mineral Resources-Field Research Grant, \$250/year.

**Professional Memberships:**

- 1974-08 Geological Society of America.
- 1980-90 Kansas Geological Society.
- 1980-08 Kansas Academy of Sciences.
- 1983-04 National Association of Geology Teachers.
- 1984-90 American Association of Petroleum Geologists.
- 1986-96 Rocky Mountain Association of Geologists.
- 1989-95 Sigma Gamma Epsilon.
- 1992-99 National Ground Water Association.
- 1993-00 Kansas Anthropological Society.
- 2007-08 Society of Exploration Geophysicists

## **PUBLICATIONS & PAPERS PRESENTED OR IN REVIEW:**

Neuhauser, K.R., 2008, An electrical resistivity survey of a small private cemetery, Lincoln County, Kansas: Transaction of the Kansas Academy of Sciences (in review).

Merriam, D.F., and Neuhauser, K.R., 2008, Pleistocene earthquake activity in Kansas: Transactions of the Kansas Academy of Sciences (in review).

Neuhauser, K.R., 2008, The depositional environment of the Love Ranch volcanic ash deposit in northwestern Ellis County, Kansas: 140<sup>th</sup> Annual Meeting of the Kansas Academy of Science (Emporia State University); March 28; Abstracts, p. 35.

Neuhauser, K.R., 2008, A suspect micrometeorite impact, Lake Wilson, Russell County, Kansas: 140<sup>th</sup> Annual Meeting of the Kansas Academy of Science (Emporia State University); March 28; Abstracts, p. 35.

Neuhauser, K.R., 2008, A depositional environment interpretation of the Love Ranch volcanic ash Deposit in northwestern Ellis County, Kansas: Transactions of the Kansas Academy of Science, manuscript (in press).

Neuhauser, K.R., 2007, A depositional environment interpretation of the Love Ranch volcanic ash Deposit in northwestern Ellis County, Kansas: Annual Meeting of the Kansas Academy of Science (Salina, KS) – meeting cancelled due to snow.

Neuhauser, et. al, 2006, Pilot Project Mapping Impervious Surface Areas Using DigitalGlobe's Satellite Multispectral Image Data, Hays, Kansas: KGS Open File Report.

Neuhauser, et al., 2006, KDOT Open File Report: Subsidence Measurement of the I-70 Sinkholes, Russell County, KS.

Neuhauser, K.R., et al., 2006, A High-Plains Search for a Crashed B-29, Kansas Academy of Science, 138<sup>th</sup> Annual Meeting: Abstracts, p. 31.

2005, Rebar, J.J; Mullin, T.C., Vishnefske, M.E., Ray, N.B., and **Neuhauser, K.R.**, Magnetometer survey for a crashed WWII B-29 bomber in Russell County, KS: An Example of community outreach: GSA Annual Meeting, Salt Lake City, UT; Abstracts with Programs, 37 (7), p. 532.

Neuhauser, et al., 2005, KDOT Open File Report: Subsidence Measurement of the I-70 Sinkholes, Russell County, KS.

Neuhauser, K.R., Short, L., and Dreiling, M., 2005, Geologic Map of Osborne County, Kansas: Kansas Geological Survey Map M-102.

- Neuhauser, K.R., et al., 2004, Volumetric Calculation of and Life Expectancy of the City of Hays' [Kansas] Industrial Landfill Using GPS and ArcGIS and Spatial Analyst GIS, KGS website <http://www.kgs.ku.edu/Publications/OFR/2004/Hays/index.html>
- Neuhauser, K.R., Derouin, S., Pellowski, C., and Ebbert, D., 2002, Results of a magnetometer and electrical resistivity survey for a buried still, Ellis County. Kansas Academy of Science Annual Meeting: Abstracts, v. 18, p. 48.
- Neuhauser, K.R., 1999, Targeting a dense nonaqueous-phase liquid [DNAPL] pollution plume using electrical resistivity, Kansas Academy of Science Annual Meeting: Abstracts, v. 18, p. 47.
- Neuhauser, K.R., 1997, NSF grant leads to new and broadened geologic course offering, GIS, Lab, and a technical degree program at FHSU: Abstracts, GSA Annual Mtg., Salt Lake City, UT, v. 29, n. 6, p. A-454.
- Neuhauser, K.R., and McGuire, E., 1997, FHSU's applied environment and forensic geophysics campus test site: Abstracts, GSA Annual Mtg., Salt Lake City, UT, v. 29, n. 6, p. A-24.
- Wacker, M.A., Gross, M.R., Wilkins, S.W., and Neuhauser, K.R., Thrusts and related drag folds in the San Rafael Swell: An example from Cedar Mountain, Utah: Abstracts, GSA Annual Mtg., Salt Lake City, UT, v. 29, n. 6, p. A-224.
- Neuhauser, K.R., 1996, An applied geophysical exercise at Fort Hays State University's Geology Field Camp: FHSU Research Studies, in press.
- Neuhauser, K.R., 1996, The Faculty Column: Sternberg Geology Club Newsletter, Issue No. 1, p. 2.
- Neuhauser, K.R., 1996, Meet the Professor: Sternberg Geology Club Newsletter, Issue No. 2, p. 3.
- Krutak, P. and Neuhauser, K., 1996, Depositional environments and hydrocarbon potential of Codell-Juana Lopez Sandstones and regional structure and stratigraphy of Canon City, and Huerfano areas, and northern Raton basin, south central, Colorado; Field Trip Guidebook: Annual Meeting of the Geological Society of America, Denver, Colorado.
- Neuhauser, K.R., 1995. The detect ability of steel fuel tanks buried beneath reinforced concrete, Fort Hays State Univ. and Hays, Kansas: Abstracts 40<sup>th</sup> Annual Midwest Groundwater Conference, Columbia, MO, p. 31.
- Neuhauser, K.R., et al., 1995, Overlook Cave: a mapping project for Carlsbad Caverns National Park.
- Neuhauser, K.R., 1994, Magnetometer Surveys at Historic Fort Hays Part II [Historic Cemetery Site]: Post Returns, The Society of Friends of Historic Fort Hays, v. 7, n. 2, p. 1-2.
- Neuhauser, K.R., 1994, Magnetometer Surveys at Historic Fort Hays Part I [Historic Fort Site]: Post Returns, The Society of Friends of Historic Fort Hays, v. 7, n. 1, p. 1 + 4-5.



- Neuhauser, K.R., 1994, Geoarchaeology involving geophysics at Historic Fort Hays, Hays, Kansas: Kansas Academy of Science Abstracts, 126 Annual Meeting, Washburn University, Topeka, Kansas, v. 13, p. 29.
- Neuhauser, K.R., 1994, Results of two magnetometer surveys conducted at Historic Fort Hays: Presented to The Society of Friends of Historic Fort Hays (Jan.), Guard House.
- Neuhauser, K.R., 1993, A simulated environmental research project in Geologic Field Methods class at Fort Hays State University: Kansas Academy of Science Abstracts, 125<sup>th</sup> Annuals Meeting-joint meeting with the Missouri Academy of Science, Kansas City, Missouri, v. 13, p. 62.
- Neuhauser, K.R., 1993, An applied magnetometer survey in Geologic Field Methods Class: Journal of Geological Education, v. 41, n. 2, p. 129-132.
- Neuhauser, K.R., 1992, Results of a magnetometer geophysical survey for buried DDT 55-gallon steel drums, Riley County, Kansas: Kansas Academy of Science Abstracts, 124<sup>th</sup> Annual Meeting, Hutchinson Community College, p. 33.
- Meyers, S. O., and **K. R. Neuhauser\***, 1992, Geophysical study to assess the effectiveness of using a magnetometer to locate buried steel fuel tanks: Kansas Academy of Science Abstracts, v. 11, 124<sup>th</sup> Annual Meeting, Hutchinson Community College, p. 28 [\* = presented paper].
- Neuhauser, K.R., 1992, Results of a magnetometer geophysical survey for buried DDT 55-gallon steel drums, Riley County, Kansas: Transactions of the Kansas Academy of Science, v. 95, nos. 1-2, p. 153-159.
- Neuhauser, K.R., 1991, The Love Ranch Volcanic Ash Quarry, northwestern Ellis County, Kansas: Kansas Academy of Science Abstracts, v. 10, 123<sup>rd</sup> Annual Meeting, Bethany College, Kansas, p. 39.
- Neuhauser, K.R., Schmacher, B., and Wilcox, T., 1991, Surficial Geologic Map of Ness County: Kansas Geological Survey Digitized County Map Series, Open File Report, [in press](#).
- Neuhauser, K.R., 1991, A fish within a fish: Journal of Geological Education (cover photo and inside-cover photo with short story), [in review](#).
- Neuhauser, K.R., 1991, SEM of reticulate and car trapped in pahoehoe flow, Hawaii photos: [in Modern Physical Geology](#) (Thompson and Turk), p. 77 + 87.
- Neuhauser, K.R., 1990, Computers and geology field camp: Kansas Academy of Science Abstracts, v. 9, 122 Annual Meeting, Kansas State University, p. 42.
- Neuhauser, K.R., and M. E. Nelson, 1990, Computer application in upper-division geology courses at Fort Hays State University: Abstracts, NAGT Symposium, Mid-continent Section, South-Central Geological Society of American Meeting, Stillwater, Oklahoma, v. 22, n. 1, p. 30.

- Nelson, M.E., and **K.R. Neuhauser\***, 1990, Computers and Geology: Fort Hays State University: Abstracts, NAGT Symposium, Mid-continent Section, South-Central Geological Society of America Annual Meeting, Stillwater, Oklahoma, v. 22, n. 1, p. 30 [\* = presented paper].
- Neuhauser, K.R., 1990, A seismic refraction survey of a volcanic ash deposit in northwestern Ellis County, Kansas: Transactions of the Kansas Academy of Science, v. 93, n. ½, p. 55-59.
- Neuhauser, K.R., 1989, Innovative Geology Field Camps: Oklahoma-Kansas Section of the National Association of Geology Teachers Symposium "Geology in the 21<sup>st</sup>-Century, Kansas Academy of Science Abstracts, v. 8, 121<sup>st</sup> Annual Meeting, Fort Hays State University, p. 23.
- Neuhauser, K.R., 1989, SEM texture of Hawaiian reticulate: Journal of Geological Education, v. 37, n. 3, cover photo.
- Neuhauser, KR., 1988, A scanning electron microscope (SEM) study of the microtexture of Hawaiian tephra, Kilauea Volcano, Hawaii: Geological Society of America Abstracts with Programs, v. 20, n. 7, p. 98.
- Neuhauser, K.R., 1988, A kinematic analysis of slump blocks along the Saline River Valley, Ellis County, Kansas: transactions of the Kansas Academy of Science, v. 91, n. ¾, p. 169-177.
- Neuhauser, K.R., 1988, A petrofabric study of the Day Book dunite, western North Carolina: Transactions of the Kansas Academy of Science, v. 91, n ¾, p. 146-152.
- Neuhauser, K.R., 1988, Sevier-age, ramp-style thrust faults at Cedar Mountain, Northwestern San Rafael Swell (Colorado Plateau), Emery County, Utah: Geology, v. 16, n. 4, p. 299-302.
- Neuhauser, K.R., 1988, New evidence for the easternmost limit of the Sevier Thrust Front, east-central Utah: Kansas Academy of Science Abstracts, v. 7, 120<sup>th</sup> Annual Meeting, Kansas University, p. 32.
- Neuhauser, K.R., 1988, A Jurassic hypersaline fresh-water lake, northeastern New Mexico: Kansas Academy of Science Abstracts, v. 7, 120<sup>th</sup> Annual Meeting, Kansas University, p.32
- Neuhauser, K.R., and J. Pool, 1988, Surficial geologic map of Ellis County, Kansas: Kansas Academy of Science Abstracts, v. 7, 120<sup>th</sup> Annual Meeting, Kansas University, p. 33.
- Neuhauser, K.R., J. Pool and Wilson, 1988, Geologic Map of Ellis County, Kansas: Kansas Geological Survey Digitized County Map Series, Open File Report 88-16.
- Neuhauser, K.R., 1988, A magnetic survey of NE Ellis County, Kansas: in Nelson, M. (ed.), Geology, paleontology, and biostratigraphy of western Kansas: Articles in honor of Merle V. Walker, Science, 3<sup>rd</sup> Series, n. 10, p. 41-59.

- Neuhauser, K.R., 1988, Imbricate splay faults, Ketobe knob: *Journal of Geological Education*, cover photo, v. 36, n. 2.
- Neuhauser, K.R., 1988, Pele's revenge: *The Art of Geology*, Geological Society of America Special Paper 225, p. 22.
- Neuhauser, K.R., 1988, Pele's garden: *The Art of Geology*, Geological Society of America Special paper 225, p. 22.
- Neuhauser, K.R., Lucas, S.G., de Albuquerque, J.S., Loudon, R.J., Hayen, S.N., Kietzke, K.K., Oakes, W., and Marais, D.D., 1987, Stromatolites of the Morrison Formation (Upper Jurassic), Union County, New Mexico: A preliminary report: *New Mexico Geological Society Guidebook, Northeastern New Mexico*, p. 153-159.
- Neuhauser, K.R., 1987, Pahoehoe lava flow, Holei Pali, Hawaii: *in*, Geological Society of America Centennial Publications Catalog, photo, front and back cover.
- Neuhauser, K.R., 1986, Fracture patterns in the Fort Hays Limestone (Cretaceous) of Ellis County, Kansas: *Transactions of the Kansas Academy of Science*, v. 88, n. 3+4, p. 102-109.
- Neuhauser, K.R., 1986, Faulting styles at Cedar Mountain, northwestern San Rafael Swell, Emery Co., Utah: *G.S.A., 39<sup>th</sup> Annual Mtg., Rocky Mountain Section, Abstracts with programs*, v. 18, n. 5, p. 399.
- Neuhauser, K.R., 1983, Joint patterns in the Fort Hays Limestone (Cretaceous) of Ellis County, Kansas: *Kansas Academy of Science Abstracts*, v. 2, 115<sup>th</sup> Annual Meeting, Benedictine College, p. 24-25.
- Neuhauser, K.R., 1982, Structural position of several ultramafic bodies in western North Carolina: *Southeastern Geology*, v. 23, n. 2, p. 109-115.
- Neuhauser, K.R., 1973, A Structural analysis of several alpine-type ultramafics: *Abstracts with Programs, SE Section of G.S.A.*, v. 5, n. 5, p. 424.
- Neuhauser, K.R., and J.R. Carpenter, 1971, A structural and petrographic analysis of the Bank's Creek (North Carolina) serpentinite: *Southeastern Geology*, v. 13, n. 3, p. 151-165.

## **MANUALS AND BOOKS**

26 Geology Field Camp Guidebooks, FHSU Printshop

Geology of Ellis/Ness/Osborne counties, Kansas Geological Survey, in prep.

## **MANUSCRIPTS IN PREPARATION**

A rare Ordovician Harding Sandstone agnathan fossil re-visited, Canon City, CO  
Remotes sensing analysis of the Hays, Kansas municipal golf course.  
A magnetometer survey for a 1940s buried water well, Price County, WI  
An electrical resistivity survey of a private cemetery, Ellsworth County, KS  
Search for the “Lost Paddlewheel boat”, Custer Island, Big Creek, Hays, KS  
Composite Map of Ellis County, Ness County, and Osborne, County: Kansas Geological Survey.  
Electrical resistivity survey of the Historic Fort Hays cemetery, Hays, KS  
An applied magnetometer field exercise at FHSU’s Geology Field Camp.  
SEM of the textural character of Limu O Pele, Hawaii.  
Necrolyphic ichnofossils: a new twist on trails.  
Fossils of the basal Green River Shale, Uintah County, Utah.  
Structural geology of South Hardscrabble Hill, Custer County, Colorado.

## **OTHER PRESENTATIONS**

2007 Optimus Club – Lake Wilson Meteorite Impact  
1998+ Numerous talks on Geology [too many to list, didn’t document them ☺]  
1997 Geology Field Camp: Sternberg Geology Club  
1996 Why I chose geology as a career: Sternberg Geology Club  
1995 Detection of an oilfield well casing using a magnetometer: Sternberg Geology Club  
1994 Jurassic stromatolites, Northeast New Mexico: Sternberg Geology Club  
1993 Thrust faults at Ketobe Knob, Emery County, Utah: Sternberg Geology Club  
1991 Computer Workshop for local high school students: SURFER4 creating maps with computers.  
1991 Hubbard Leadership Seminars for Gifted Students, FHSU Campus, the field measuring of a stratigraphic section and using the STRATCOL computer program.

- 1990 A Jurassic hypersaline lake, Northeastern New Mexico, Sigma Gamma Epsilon, FHSU campus.
- 1990 A seismic refraction study of the Love Ranch ash deposit, Sigma Gamma Epsilon, FHSU campus.
- 1989 Sevier-style thrusting, Cedar Mountain, San Rafael Swell, Sternberg Geology Club, FHSU campus.
- 1987 Seismic refraction, a “hands-on” experience, FHSU campus, Hays High School.
- 1986 Apprenticeship in applied geophysics at FHSU and the MD-9A Seismic Refraction Signal Enhancement System: KAYS-TV documentary, Hays, KS, won 1<sup>st</sup> place 1987 Kansas Assoc. of Broadcasters competition.
- 1986 Geologic mapping of Ellis County, Kansas: FHSU Radio spot.
- 1986 Continental drift and seafloor spreading: Wilson Grade School, 3<sup>rd</sup> Grade, Hays, Kansas.
- 1984 FHSU Geology Field Camp-What is it?: FHSU Phi Delta Kappa Lecture Series.
- 1983 Structural positions of ultramafites, North Carolina: FHSU Sternberg Geology Club.
- 1983 Jointing in the Fort Hays Limestone: FHSU Sigma Xi.
- 1983 Jointing in the Fort Hays Limestone: Kansas State University Geology Department.
- 1982 Seismic refractions systems at FHS: KAYS-TV Hays, KS, media presentation.

## **Thesis Supervision:**

Carol Schaffer, 3D seismic and geophysical well logging of the Rush Rib, Rush County, KS

Vilma Perez, 3D seismic interpretation, well log correlation, AVO, seismic-stratigraphic, petrochemical, and GIS spatial analyses and modeling to re-explore a productive oil field located between Ellis and Rooks counties, Kansas.

Mark Vishnefske, Electrical resistivity survey of an oilfield brine spill, Russell, Kansas.

Scott Cumming, Description and analysis of paleosols within the Dakota Fm. (central KS).

Neil Ray, Analysis of a new meteorite from Granada, CO, implications supporting an achondrite.

Matt Dreiling, 3D Seismic analysis of a private oil lease, Ellis County, Kansas.

Roger Moses, Detection and delineation of a dispersed chloride plume in Russell Co, KS.

Levi Short, Geophysical exploration of a suspected Native American earthlodge, Sheridan County, Kansas.

Carrie Davis, A geophysical and petrological comparison of the Rose Dome and Silver City Dome Lamproites in Woodson County, Kansas.

Chris Pellowski, Analysis of the structural geology in the south desert of the Waterpocket Fold, Capitol Reef National Park, Utah: A hyperspectral imaging approach using AVIRIS data.

Sarah Derouin, Estimating coastal erosion along the Potomac River using aerial photography, remote sensing, and GIS/GPS, George Washington's Birthplace National Monument, VA.

Daryl Ebbert, Identification of salt affected soil anomalies in central Oklahoma using remote sensing data and hyperspectral analysis.

Tim Phlieger, Surficial Geology, Quartz arenite geometry, and depositional environment of the Dakota Formation (Cretaceous) in the Dorrance NW 7.5' Quadrangle, Eastern Russell County, Kansas.

Laura Rand, Effects of anthropogenic land use and natural aquifer characteristics on the recharge of the Big Creek Aquifer, Hays, Kansas, using Geographical Information Systems (GIS).

Emmet McGuire, Structural Geology of a portion of the Big Bend Draw Quadrangle, Emery County, Utah.

Denny Martin, Use of electrical resistivity and ArcView to define limits to brine pollution southeast of Gorham, Russell County, Kansas.

Karen Schmidt, Static water level fluctuations of the Big Creek alluvial aquifer in the vine Street area, Hays, Ellis County, Kansas, 1993-1994.

Bruce Basye, The Kiowa Formation (Lower Cretaceous) as an aquitard between the Dakota Formation and the Cheyenne Sandstone, Ellis, Rooks, and Russell counties, Kansas.

Dave Karlin, An environment study involving electrical conductivity and GIS, Ellis County, Kansas.

Roger Moses, An integrated environmental geophysical study of a brine spill, Ellis County, Kansas.

Kevin McNinch, A Geologic, Paleontologic, and GIS Analyses of the Cimarron National Grasslands, Southwestern Kansas.

Theron Barton, Using IDRISI (G.I.S.) to locate a new landfill site for Ellis County, Kansas.

Julie Churchill, A depositional study of the Ogallala Group, Minium Quarry, Graham County, Kansas.

Mark Allen, A structural analysis of the Potato Hills, Ouachita Mountains, Muskogee and Cherokee Counties, Oklahoma.

Jim Pool, The geologic and surficial geology of Ellis County, Kansas. In digital form with Kansas Geologic Survey.

Doug Dreiling, Structural geology and Au-Ag sulfide ore distribution of the Jurassic Wanakah Formation, Eastern San Miguel County, San Juan Mountains, Colorado.

Greg Issinghoff, Structural and stratigraphic analysis of the Morrowan-Chester Formation, Eastern Stanton County, Kansas: An oil and gas investigation.

Mike Fletcher, Reservoir potential of the Simpson Group (Middle Ordovician) in the Welch-Bornholdt Field, Rice and McPherson Counties, Kansas.

Steve de Albuquerque, Stratigraphy and paleoenvironments of the Ralston Creek Fm. (Jurassic) along the eastern flank of the Wet Mountains, Colorado.

Jim Stefano, Structure and petrology of the South Hardscrabble overthrust, Custer County, Colorado.

Jack Williams, The depositional environments of the Entrada Sandstone (Jurassic) from Beulah, Pueblo County, Colorado to the Cimarron River Canyon, Union County, New Mexico.

Bob Loudon, the petrology and structure of the Wet Mountains, metamorphics and San Isabel along South Hardscrabble Creek, Custer County, Colorado.

## **Thesis Co-Supervision:**

Kyle Valerio, Anatomy, systematics, and biostratigraphy of *Ectenosaurus clidastoides*.

Tahejito Ikejiri, Anatomy of *Camarasaurus lentus* (Dinosauria: Sauropoda) from the Morrison Formation (Late Jurassic), Thermopolis, central Wyoming, with determination and interpretation of ontogenetic, sexual dimorphic, and individual variation in the genus.

John Rebar, Jr., Vertebrate Paleontology and Biostratigraphy of the White River Formation (Late Eocene – Early Oligocene), Morton Ranch Area, Converse County, Wyoming

Davis Schmidt, Taxonomic and taphonomic study of a sauropod from the Brush Basin Member of the Morrison Formation (Jurassic), Utah.

Brian Steffen, Ecological preferences and behavior of Paleolagus haydeni with implications for lagorid evolution.

William Garcia, Teleorhinus from the Dakota Formation (Cretaceous) of Kansas, with a discussion of its paleoecology.

H. Robins Richards III, Osteology and relationships of Spinosuchus caseanus Huene 1932, from Texas (Dockum Group, Upper Triassic), a new interpretation.

Cinda Timperley, A new Irvingtonian water shrew (Insectivora Soricidae) from Nuckolls County, Nebraska: systematics, functional morphology, and paleoecology.

Gabe Bever, The coyotes of Porcupine Cave, Colorado, with an analysis of craniodental variation in Canis latrans and Canis lepophagus.

Terry Crotwell, Oxygen fugacity affects on magma generation using computer modeling.

Scott Cumming, X-ray diffraction analysis of soils within Ellis County, Kansas.

Trisha Kraus, Stratigraphy of the Ogallala Formation.

Michelle David, Dental history of Ptychodus and jaw mechanics of P. mortoni.

Michelle Darnell, Systematic for the Equidae, Minium Quarry, Graham County, Kansas.

Mandy Charles, Non-research thesis, biology.

Kevin Collins, Estimation of ground-water quality in Lower Cretaceous rocks of western Kansas, using borehole geophysical data.

Dave Hunter, Stratigraphy, sedimentations, and paleoenvironment of the Cedar Mountain Formation and the Dakota Sandstone (Cretaceous) in west-central Emery County, Utah.

John Groneck, Stratigraphy, petrology, and depositional environments of the Sulphur Springs Formation (Upper Devonian-Lower Mississippian), east-central Missouri.

Michael Pomes, Stratigraphy, Paleontology, and paleobiogeography of lower vertebrates from the Cedar Mountain Formation (Lower Cretaceous), Emery County, Utah.

Bruce Schumacher, Biostratigraphy of Kansas mosasaurs.

Russell Weigand, Groundwater potential of the Codell Sandstone Member of the Carlile Shale, western Kansas.

Satya, Geochemistry of groundwater and gases in the vadose in selected parts of Hays, Kansas.

Tom Zahner, Geological and cultural effects upon sediment content and water quality of the Hillside Reservoir, Miami County, Kansas.



Kevin Collins, Estimation of ground water quality in Lower Cretaceous rocks of western Kansas, using borehole geophysical data for the determination of the freshwater-saltwater boundary within the Cheyenne Sandstone (Lower Cretaceous), Kansas.

Barb Beasley, Holocene reptilian and avian fauna in the Blomquist rockshelter, Summit County, Utah.

Hannan LaGarry, Taphonomic evidence for habitat, predation, and scavenging of Teleoceras (Mammalia: rhinocerotidae) from the Minium Quarry local biota of northwest Kansas.

Hannan LaGarry, A description of the Camielidae from the Minium Quarry local biota of northwest Kansas, with a discussion of the systematic use of camelid metapodials.

John Stimac, Geology of the Stockade Mountain Quadrangle, southwestern Oregon.

Case Morris, Groundwater contributions from the Dakota Formation into the Saline River, northwest Russell County, Kansas.

Rod Tremblay, Hydrogeology of the Smoky Hill River, southern Ellis County, Kansas.

Dave Wilcots, Functional morphology, phylogeny of the North American Miocene Rhinoceras, Aphelops.

Vilma Perez, Geohydrology of the Big Creek alluvial aquifer of Hays and vicinity, Ellis Co., Kansas.

Mathew Turner, Quantitative geomorphology of the North Fork Big Creek drainage basin Co., Kansas.

Paula Turner, Geochemical analysis of groundwater in the Hays area, Ellis Co., Kansas.

Lynn Vogler, Investigation of earth fissures and sinkholes, Groundwater Management District #3, SW Kansas.

Steve Conley, Stratigraphy and depositional environment of the Buckhorn Conglomerate Member of the Cedar Mountain (Lower Cretaceous), Central Utah.

Nils Thompson, Geology of the Fairport Quadrangle, NE Ellis Count and NW Russell County, Kansas.

Doug Anderson, Groundwater investigation of possible contaminant leaching from sanitary landfill disposal sites: Russell, Ellis and Trego Counties, Kansas.

Sandy Potter, A geologic investigation of the volcanic ash deposits of western Kansas.

Pankaj Desai, Hydro geochemical analysis of the Dakota Aquifer in northwest Kansas.

Karl Jepsen, A petrographic study of the Star Point Sandstone and Blackhawk formations (Upper Cretaceous), East Mountains, Emery County, Utah.

Deborah Crooks, Petrology and stratigraphy of the Morrison (Upper Jurassic) and Cedar Mountain (Lower Cretaceous) formation, Emery County, Utah.

Fred Strauss, An optimal shallow disposal site and for hazardous waste in Kansas.

William Heiman, A morphometric and hydrologic survey of the Saline River paleovalley fill, Ellis County, Kansas.

Dan Deboer, Petrology of the Death Canyon Limestone Member and algal buildups, northwestern Wyoming.