

JORGINA A. ROSS

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PRESENT POSITION:

Research Assistant
Kansas Applied Remote Sensing Program
Kansas Biological Survey
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Education: Universidad Nacional Autónoma de Mexico, Mexico D.F., Mexico
BS, Business Administration, 1972
MS, Business Law, 1973
Donnelly College, Kansas City, Kansas (1974–1975)
English as a second language
The University of Kansas, Lawrence, Kansas (1976–1982)
Radio and TV, (completed all course work for MA)
French, (completed all course work for BA)

PROFESSIONAL EXPERIENCE:

2006- Research Assistant, Kansas Biological Survey
2004-2012 Treasurer, International Association for Mathematical Geoscience
2001 Convener and General Chair, IAMG 2001, 7th annual conference of the International Association for Mathematical Geology, Cancun, Quintana Roo, Mexico, September 2001
1997 Local Organizing Chair, Digital Mapping Techniques '97 Workshop, American Association of State Geologists and the United States Geological Survey, Lawrence, KS, May 1997
1996–2004 Member, Data Capture Working Group of the National Digital Geologic Map Database Project
1992–2004 GIS Advisory Council, Earth Science Department, Emporia State University
1986–2004 Manager, Automated Cartography, Kansas Geological Survey
1984–1986 Supervisor, Automated Cartography, Kansas Geological Survey
1983–1984 Cartographic Tech., Automated Cartography, Kansas Geological Survey
1980–1983 Graduate Research Assistant, Computer Operations, Kansas Geological Survey
1971–1973 Manager, Export Department, Asturiano Textile Co., Mexico D.F., Mexico

PUBLICATIONS

Mudge, M. R. and Burton, R. H., [1959] 2007, Geologic Map of Wabaunsee County, Kansas; modified by L. L. Brady, D. R. Collins, J. A. Ross, and J. D. Hartman to fit U. S. Geological Survey 1:24,000 topographic base: Kansas Geological Survey, Map M-111, scale 1:50,000; revised from U. S. Geological Survey Bulletin 1068-2, plate 2.
Winslow, J. D. [1972] 2007, Geologic Map, Jefferson County, Kansas, modified by E. C. Crouse, D. R. Collins, and J. A. Ross to fit U. S. Geological Survey 1:24,000 topographic base: Kansas Geological Survey, Map M-55, scale 1:50,000, revised from KGS Bulletin 202, part 4, plate 1.
Harbaugh, J. W., Merriam, D. F., and Ross, J. A., 2005, Hillshade mapping of the fine-scale crustal fracture system in Kansas: Zeitschrift der Deutschen Geologischen Gesellschaft, Vol. 155/2-4, p. 247-262, 11 figs., 1 tab., Stuttgart.
Scott, G. R., Foster, F. W., and Crumpton, C. F., [1959] 2004, Geologic Map of Pottawatomie County, Kansas; modified by D. R. Collins, J. A. Ross, and J. D. Hartman to fit U. S. Geological Survey 1:24,000 topographic base: Kansas Geological Survey, Map M-110, scale 1:50,000, revised from U. S. Geological Survey, Bulletin 1060-C, plate 5. [pdf image available at <http://www.kgs.ku.edu/General/Geology/County/nop/pt/gifs/M110_PottawatomieGeology_2004.pdf> Note: this large pdf file (26MB) may take one or two minutes to download]
Moore, R. C., Jewett, J. M., and O'Connor, H. G. [1951] 2004, Geologic Map of Chase County, Kansas, (scale 1:63,360) modified by D. R. Collins, J. A. Ross, and E. C. Crouse to fit U. S. Geological Survey 1:24,000

- topographic base: Kansas Geological Survey, Map M-56, scale 1:50,000; revised from KGS Volume 11, part 1, plate 1 and other sources. [pdf image available at <http://www.kgs.ku.edu/General/Geology/County/abc/chase.html>]
- Collins, D. R., Ross, J. A., and Doherr, D., 2001, Interactive geologic maps using ArcIMS, with links to related data and images; in, *Digital Mapping Techniques '01—Workshop Proceedings*, D. R. Soller, ed.: USGS OFR 01-223, p. 136–152. [Also online at <http://pubs.usgs.gov/of/2001/of01-223/collins.html>]
- Collins, D. R., Doherr, D., and Ross, J. A., 2001, "Geologic Maps and Databases in the Age of Geoinformatics in the Internet"; in, *IAMG 2001 Conference Proceedings: International Association for Mathematical Geology*, CD-ROM. [Also online at <http://www.kgs.ku.edu/Conferences/IAMG/Sessions/F/Papers/collins.pdf>]
- Collins, D. R., Ross, J. A., and Crouse, E. C., 1999, Progress in development of digital geologic map databases in Kansas: AAPG Mid-Continent Section Meeting, AAPG Bulletin, vol. 83, no. 7, p. 1203.
- Ross J. A., Collins, D. R., and Look, K. K., 1999, Weaving History into the Web: Geologic Maps, Words, and, Images, GSA Annual Meeting, Abstracts with Programs, vol. 31, no. 7, p. 38.
- Hausberger, G., Davis, J. C., Ross, J. A., Siceloff, J., and Bohling, G. C., 1999, Metallogenetic Karte von Österreich software: Österreichische Akademie der Wissenschaften, Vienna, 1 compact disk.
- Winslow, J. D. [1972] 1998, Geologic Map, Jefferson County, Kansas, revised by E. C. Crouse, D. R. Collins, and J. A. Ross: Kansas Geological Survey, Map M-55, scale 1:50,000, revised from Bulletin 202, part 4, plate 1.
- Ross, J. A., and Collins, D. R., 1998, Developing digital geologic map data from accreting out-of-print publications: rescuing geologic terrains from the effects of cartographic generalization and analog subduction zones: Geological Society of America, Abstracts with Programs, Vol. 30, no. 7, p. 89.
- Brady, L. L., and Ross, J. A., 1998, Geologic mapping and the STATEMAP program at the Kansas Geological Survey; an overview: Geological Society of America, Abstracts with Programs, vol. 30, no. 3, p. 2–3.
- Hausberger, G., Ross, J. A., and Davis, J. C., 1998, WIZARD, a groundwater information system for Kansas: 43rd Annual Midwest Groundwater Conference, Program and Abstracts, p. 29.
- Ross, J. A., 1998, Providing Spatial Data and GIS applications via the Internet: [Online]: <http://www.kgs.ku.edu/General/Geology/dmt/spatial.html>
- Ross, J. A., 1998, Providing spatial data and GIS applications via the Internet; in, *Digital Mapping Techniques '98—Workshop Proceedings*, D. R. Soller, ed.: USGS OFR 98-487, p. 85–90. [Also online at <http://pubs.usgs.gov/of/1998/of98-487/ross1.html>]
- Ross, J. A., 1998, Product development and distribution from the Kansas Digital Geologic Map Database; in, *Digital Mapping Techniques '98—Workshop Proceedings*, D. R. Soller, ed.: USGS OFR 98-487, p. 107–108. [Also online at <http://pubs.usgs.gov/of/1998/of98-487/ross2.html>]
- Ross, J. A., 1997, Digital geologic map production and publication at the Kansas Geological Survey: Geological Society of America, 1997 annual meeting, Abstracts with Programs, Vol. 29, no. 6, p. A-293.
- Collins, D. R., Berendsen, P., and Ross, J. A., 1997 Digital geologic map development with integration of multiple information sources: a case study in the area of the Elmdale Dome, Chase County, Kansas: Geological Society of America, 1997 annual meeting, Abstracts with Programs, Vol. 29, no. 6, p. A-293.
- Ross, J. A., and Collins, D. R., 1997, Evaluating alternative data simplification techniques for maintenance of map topology and information content: International Association for Mathematical Geology, Proceedings of IAMG'97, Part 1, p. 464–469.
- Ross, J. A., and Collins, D. R., 1997, Information capture from previously published maps for the Kansas and National Digital Geologic Database Projects, Kansas Academy of Science, Abstracts of papers presented, 129th annual meeting, Vol. 16, p. 37.
- Ross, J. A., and Crouse, E. C., 1997, Development of digital geologic map databases from published geologic maps; historic preservation or information collection?: American Association of Petroleum Geologists, Bulletin, Vol. 80, no. 8, p. 1354.
- Ross, J. A., 1997, The Butler County geologic map: a case study of the map production process at the Kansas Geological Survey: Kansas Academy of Science Transactions, Volume 100, no. 1–2, p. 34–46.
- Ross, J. A., and Collins, D. R., 1997, Information capture from previously published maps; in, *Proceedings of a workshop on digital mapping techniques—methods for geologic map data capture, management and publication*, D. R. Soller, ed.: USGS Open-File Report 97-269, pp. 51–56. [Also online at <http://pubs.usgs.gov/of/1997/of97-269/ross.html>]
- Ross, J. A., 1996, Images of digital county geologic maps published by the Kansas Geological Survey on the world-wide-web, URL: <http://www.kgs.ku.edu/General/Geology/index.html>.
- Davis J. C., Ross, J. A., and others, 1995, Generalized geologic map of the Istrian Peninsula, Croatia: Institute of Geology, Zagreb, Croatia and Geological Survey of Vienna, Austria.

- Carr, T. R., and Ross, J. A., 1995, Producing horizons of oil and gas fields in the Hugoton Basin, Kansas: Kansas Geological Survey, Map M-42.
- Collins D. R., Brownrigg, R. L., and Ross, J. A., 1995, Management, analysis and display of digital well-log data for presentation of geologic information in the third dimension: GIS World, Symposium Proceedings, Ninth Annual Symposium on Geographic Information Systems in Natural Resources Management, Vancouver, BC, Canada, vol. 1, p.266–268.
- Brownrigg R. L., Collins, D. R., and Ross, J. A., 1995, Changing the face of geologic mapping: technology and data source integration for improved geologic map production: GIS World, Symposium Proceedings, Ninth Annual Symposium on Geographic Information Systems in Natural Resources Management, Vancouver, BC, Canada, vol. 1, p.257.
- Ross J. A., Collins, D. R., and Brownrigg, R. L., 1995, GIS management of petroleum production data for estimation and mapping of regional reserves, future production rates, and discovery potential: GIS World, Symposium Proceedings, Ninth Annual Symposium on Geographic Information Systems in Natural Resources Management, Vancouver, BC, Canada, vol. 1, p. 244–250.
- Carr, T. R., and others, 1994, Producing horizons atlas of oil and gas fields in Kansas: Kansas Geological Survey, Map M-38.
- Carr, T. R., and others, 1994, Producing horizons atlas of oil and gas fields in Kansas in the Kansas City, Lawrence, Manhattan, Hutchinson, Wichita, Beloit, Great Bend, Pratt, Goodland, Scott City, DodgeCity 1X2 degrees quadrangles: Kansas Geological Survey, M35-2 through 12.
- Carr, T. R., and others, 1993, Producing horizons atlas of oil and gas fields in Kansas in the Joplin quadrangle: Kansas Geological Survey, Map M35-1.
- Ross, J. A., and others, 1993, Oil and gas fields in Kansas: Kansas Geological Survey, Map M-34.
- Collins, D. R., Ross, J. A., Brownrigg, R. L., 1993, Watershed districts in Kansas: Kansas Geological Survey, Map M-32.
- Ross, J. A., and others, 1993, Oil and gas fields, (Goodland, Beloit, Manhattan, Kansas City, Lawrence, Hutchinson, Great Bend, Scott City, Dodge City, Pratt Wichita, and Joplin) quadrangle in Kansas; Kansas Geological Survey, a set of 12 maps, M-34 1 through 12.
- Ross, J. A., and others, 1992, Oil and gas fields, (Goodland, Beloit, Manhattan, Kansas City, Lawrence, Hutchinson, Great Bend, Scott City, DodgeCity, Pratt Wichita, and Joplin) quadrangle in Kansas: Kansas Geological Survey, a set of 12 maps, M22-1 through 12 revised.
- Ross, J. A., and others, 1991, Geologic map of Kansas: Kansas Geological Survey, Map M-23, scale 1:500,000.
- Ross, J. A., and others, 1991, Oil and gas fields in Kansas: Kansas Geological Survey, Map M-22, scale 1:500,000.
- Ross, J. A., and others, 1991, Oil and gas fields, (Goodland, Beloit, Manhattan, Kansas City, Lawrence, Hutchinson, Great Bend, Scott City, Dodge City, Pratt, Wichita, and Joplin) quadrangle in Kansas: Kansas Geological Survey, a set of 12 maps, M-22 1 through 12.
- Ross, J. A., and others, 1990, The geologic map of the United Arab Emirates: Kansas Geological Survey.
- Ross, J. A., and others, 1989, Oil and gas fields, (Goodland, Beloit, Manhattan, Kansas City, Lawrence, Hutchinson, Great Bend, Scott City, Dodge City, Pratt, Wichita, and Joplin) quadrangle in Kansas: Kansas Geological Survey, a suite of 12, color, 1x2 degree maps in Kansas, Map M18-1 through 12.
- Ross, J. A., and others, 1989, Oil and gas producing horizons in the Hugoton Gas Area: Kansas Geological Survey.
- Ross, J. A., and others, 1989, Oil and gas cumulative production in the Hugoton Gas Area: Kansas Geological Survey.
- Ross, J. A., and others, 1989, Oil and gas wells in the Hugoton Gas Area: Kansas Geological Survey.

COMMENDATIONS AND ASSOCIATED PUBLICATIONS

- Awarded 2nd Place for "best cartographic design, single map, large format" for *The Geologic Map of Pottawatomie County, Kansas* in ESRI's "Map Gallery" competition at the 2004 ESRI International Users Conference in San Diego.
<http://www.kgs.ku.edu/General/Geology/County/nop/pt/gifs/M110_PottawatomieGeology_2004.pdf> [Note: this large pdf file (26MB) may take one or two minutes to download]
- Letters and communications of commendation and congratulations from Robert Hemenway, Chancellor of the University of Kansas, from Gramme Bonham-Carter, President of the International Association for Mathematical Geology, from David R. Soller, Chief of the National Geologic Map Database Project, and from many others on my successes as Convenor, General Chair, and Chair of the Organizing Committee for the 2001

conference of the International Association for Mathematical Geology, held September 6–12, 2001, in Cancun, Mexico.

International Association for Mathematical Geology, 2001, IAMG 2001 Conference Proceedings: IAMG, CD-ROM. [online at <<http://www.kgs.ku.edu/Conferences/IAMG/index.html>>]

Collins, D. R., Doherr, D., and Ross, J. A., 2001, "Geologic Maps and Databases in the Age of Geoinformatics in the Internet"; in, IAMG 2001 Conference Proceedings: IAMG, CD-ROM. [Also online at <<http://www.kgs.ku.edu/Conferences/IAMG/Sessions/F/Papers/collins.pdf>>]

- Letters of commendation from Lee Gerhard, Director of the Kansas Geological Survey, and from David R. Soller, Chief of the National Geologic Map Database Project, on successful local organizing and hosting of the Digital Mapping Techniques '97 Workshop, held in Lawrence, KS, June 2–5, 1997. This was the first in what has become a series of workshops (with invited participants) that are a joint undertaking of the USGS and the American Association of State Geologists.
 - D. R. Soller, ed., 1997, Proceedings of a workshop on digital mapping techniques—methods for geologic map data capture, management and publication: USGS Open-File Report 97-269, 120 p. [Available online at <<http://pubs.usgs.gov/of/1997/of97-269/>>]
 - Ross, J. A., and Collins, D. R., 1997, Information capture from previously published maps; in, Proceedings of a workshop on digital mapping techniques—methods for geologic map data capture, management and publication, D. R. Soller, ed.: USGS Open-File Report 97-269, pp. 51–56. [Available online at <<http://pubs.usgs.gov/of/1997/of97-269/ross.html>>]
- Letters of commendation from Mike Hayden, Governor of Kansas, and from the Director of the Kansas Geological Survey for contributions to the SSC Site proposal, 1987.
 - Ross, J. A., and others, 1987, SSC second proposal: 52 base maps: Kansas Geological Survey.
 - Ross, J. A., and others, 1987, SSC site proposal: 32 base maps for construction of SSC maps: Kansas Geological Survey.
 - Ross, J. A., and others, 1987, Location map: Kansas Geological Survey, SSC Site Proposal, also Open File Report 87-22, (map).

MAJOR DATABASE PRODUCTS

Ross, J. A., Ross, C. G., and Automated Cartography staff, 1987–2004, Kansas Cartographic Database: Kansas Geological Survey, digital base map data, compilation scale 1:24,000.

Ross, J. A., and Automated Cartography staff, 1987–2004, Kansas Geologic Map Database: Kansas Geological Survey, digital geologic map data, compilation scale 1:24,000.

Ross, J. A., and Automated Cartography staff, 1991, Digital geology of Kansas; an Arc/Info implementation of the 1:500,000 scale Geology Map of Kansas, M-23, 1991: Kansas Geological Survey, digital geologic map data, compilation scale 1:500,000.

KGS OPEN FILE REPORTS

Ohlmacher, G. C., Bartley, J., Ross, J. A., Nelson, K., and Bennett, B., 2003, Preliminary Development of a Digital Field Mapping Technique Including a Creative Field Trip Around the University of Nebraska Campus. Kansas Geological Survey, Open-file Report 2003-45.

Ross, J. A., 2003, Shaded Relief Image of Kansas, Kansas Geological Survey, Open File Report 2003-44, Plate_a, Plate_b, and Plate_c

Ross, J. A., and Ono, M., 2002, Automated Cartography Manual—procedures for production of geologic maps and map databases: Kansas Geological Survey, Open File Report 2002-64.

Collins, D. R., and Ross, J. A., 1999, Sensitive Groundwater Areas: Kansas Geological Survey, OFR 99-26, scale 1:500,000 [prepared for the Conservation Division, Kansas Corporation Commission, for use in administration of oil and gas drilling regulations].

Hausberger, G., and others, 1998, WIZARD water information storage and retrieval database: Kansas Geological Survey, Open File Report 98-13.

Ross, J. A., 1996, Kansas Cartographic Database core metadata: Kansas Geological Survey, Open File Report 96-57, 3 p.

Ross, J. A., 1996, Compilation of digital geologic map data at the Kansas Geological Survey: Kansas Geological Survey, Open File Report 96-58, 29 p.

- Ross, J. A., 1996, Digital geologic map data capture: A summary of the October 1996 meeting of the Digital Geologic Map Standards Committee and Working Group on Data Capture, AASG and USGS: Kansas Geological Survey, Open File Report 96-45.
- Raje, M., Collins, D. R., and Ross, J. A., 1995, KOGVIEW: Kansas oil and gas data VIEWS, project documentation for a Geographic Information System (GIS) application, Kansas Geological Survey Open File Report 95-78.
- Collins D. R., Ross, J. A., and Raje, M., 1995, KOGVIEW—User friendly interface to Kansas oil and gas production data, charts, and maps through an ArcView application, Kansas Geological Survey Open File Report 95-61.
- Collins, D. R., and Ross, J. A., 1991, Sensitive groundwater areas map: Kansas Geological Survey, Open File Report 91-19.
- Ross, C. G., and Ross, J. A., 1988, Digitizing operations with GIMMAP: Kansas Geological Survey, Open File Report 88-45d, 1988, 97p.

GRANTS and CONTRACTS

- Brady, L. L., and others, STATEMAP (USGS) FY2003, May 2003 through April 2004. Project budget for Automated Cartography—\$46,341. USGS funding—\$9,948; KGS cost share—\$36,393.
- Ross, J. A., 2003, “Database Development of Large Scale (24K) Surface Geology” for the State of Kansas Geographic Information Systems Policy Board for KS FY 2004 – \$26,000.00. (GIS large scale (24k) geologic database development for Bourbon, Labette, Ness, Pottawotomie and Wilson counties).
- Brady, L. L., and others, 2002, STATEMAP (USGS) FY2002, May 2002 through April 2003. Project budget for Automated Cartography—\$70,011. USGS funding—\$33,688; KGS/AC cost share—\$36,323.
- Ross, J. A., and Collins, D. R., 2001, “Database Development of Large Scale (24K) Surface Geology” for the State of Kansas Geographic Information Systems Policy Board for KS FY 2002, Contract No. 2002-2081. Project budget— \$45,000.00, Policy Board funding—\$22,500.
- Brady, L. L., 2001, “Addendum to the FY01 Kansas STATEMAP Proposal”. Project budget for Automated Cartography—\$3,181. USGS funding—\$2,400; KGS/AC cost share—\$781.
- Brady, L. L., and others, 2001, STATEMAP (USGS) FY2001, May 2001 through April 2002. Project budget for Automated Cartography—\$59,691. USGS funding—\$26,118; KGS/AC cost share—\$33,573.
- Ross, J. A., and Collins, D. R., 2000, “Database Development of Large Scale (24K) Surface Geology” for the State of Kansas Geographic Information Systems Policy Board, Contract No. 2001-2081. Project budget— \$38,000.00, \$19,000 funding from Policy Board for KS FY 2001.
- Brady, L. L., and others, 2000, STATEMAP (USGS) FY2000, May 2000 through April 2001. Project budget for Automated Cartography—\$52,265. USGS funding—\$18,437; KGS/AC cost share—\$33,828.
- Brady, L. L., and others, 1999, STATEMAP (USGS) FY1999, May 1999 through April 2000. Project budget for Automated Cartography—\$31,100. USGS funding—\$10,094; KGS/AC cost share—\$21,006.
- Ross, J. A., 1998, “Stream Layer Data Conversion for the Riparian Inventory Program” for the State of Kansas Geographic Information Systems Policy Board, \$21,000.
- Ross, J. A., 1997, “Stream Layer Data Conversion for the Riparian Inventory Program” for the State of Kansas Geographic Information Systems Policy Board, \$15,000.
- Collins, D. R., and Ross, J. R., 1997, “Conversion of the USGS Public Land Survey System DLG’s to Arc/Info format, Tiled by County” for the State of Kansas GIS Policy Board, \$20,400,

POSTER PRESENTATIONS

- Ross, J. A., 2003, “Development of geologic map databases at the Kansas Geological Survey”: GSA Annual Meeting, Seattle, WA (GSA Abstracts with Programs, vol 35, no.6, abstract 66514).
- Ross, J. A., and Collins, D. R., 2002, "The Kansas Geologic Map Data Model": Digital Mapping Techniques Workshop '02, Salt Lake City.
- Olea, R. E., Ross, J. A., Davis, J. C., Collins, D. R., Merriam, D. F., and Watney, W. L., 2001, "Wireline Logs for High-Resolution Subsurface Stratigraphy"; in, International Association for Mathematical Geology, Proceedings: IAMG 2001 Conference, CD-ROM.
- Ross, J. A., Collins, D. R., and Look, K. K., 1999, Weaving history into the web: geologic maps, words, and images: Geological Society of America, 1999 annual meeting, Denver, Colorado.
- Ross, J. A., 1999, Development and Distribution from the Kansas Digital Geologic Map Database, DMT'99 Workshop, Madison, Wisconsin.

- Ross, J. A., Collins, D. R., and Look, K. K., 1999, The Montgomery County, Kansas, geologic map: an example of the Kansas geologic map data model database: Workshop on digital mapping techniques: DMT'99, convened by the AASG and USGS, Madison, Wisconsin.
- Collins, D. R., Ross, J. A., and Crouse, E. C., 1999, Progress in development of digital geologic map databases in Kansas: AAPG Mid-Continent Section Meeting, AAPG Bulletin, vol. 83, no. 7, p. 1203.
- Ross, J. A., and Collins, D. R., 1998, Developing digital geologic map data from accreting out-of-print publications: rescuing geologic terrains from the effects of cartographic generalization and analog subduction zones: Geological Society of America, 1998 annual meeting, Toronto, Canada.
- Hausberger, G., Ross, J. A., and Davis, J. C., 1998, WIZARD, a groundwater information system for Kansas, USA: Angewandte Geographische Informationsverarbeitung X (AGIT 98), Salzburg, Austria.
- Brady, L. L., and Ross, J. A., 1998, Geologic mapping and the STATEMAP program at the Kansas Geological Survey; an overview: Geological Society of America, South-central Section, 32nd annual meeting, Norman Oklahoma.
- Ross, J. A., and E. L. Crouse, 1998, Digital geologic map preparation of Greenwood County, Kansas: Kansas Academy of Science, 130th annual meeting, Wichita, Kansas.
- Ross, J. A., 1998, Product development and distribution from the Kansas Digital Geologic Map Database: Workshop on digital mapping techniques: DMT'98, convened by the AASG and USGS, Champaign, Illinois.
- Ross, J. A., 1997, Digital geologic map production and publication at the Kansas Geological Survey: Geological Society of America, 1997 annual meeting, Salt Lake City, Utah.
- Collins, D. R., P. Berendsen, and Ross, J. A., 1997, Digital geologic map development with integration of multiple information sources: a case study in the area of the Elmdale Dome, Chase County, Kansas: Geological Society of America, 1997 annual meeting, Salt Lake City, Utah.
- Ross, J. A., and Crouse, E. C., 1997, Development of digital geologic map databases from published geologic maps: historic preservation or information collection?: American Association of Petroleum Geologists, 1997 Mid-Continent Section Meeting, Oklahoma City, Oklahoma.
- Ross, J. A., and Crouse, E. C., 1997, Chautauqua County, Kansas, geologic map: Kansas Academy of Science, 129th annual meeting, Fort Hays State University, Hays, Kansas.
- Ross, J. A., 1996, The Butler County geologic map: a case study of the map production process at the Kansas Geological Survey: Kansas Academy of Science, 128th annual meeting, Emporia, Kansas.

WEB MAPPING APPLICATIONS – URL'S

- <http://kars.ku.edu/maps/kansaslakes> , 2014.
- <http://kars.ku.edu/maps/pwa> , 2013-2014.
- <http://kars.ku.edu/maps/crucialhabitat> , 2012-2013, no longer available.
- <http://kars.ku.edu/maps/sgpchat/>, 2011-2014.
- <http://kars.ku.edu/maps/greenreport/>, 2009-2014
- <http://kars.ku.edu/maps/naturalresourceplanner/>, 2011-2014.
- <http://kars.ku.edu/maps/biofuelsclimatechange/>, 2011.
- <http://kars.ku.edu/maps/wrp/> 2010-2011.
- <http://kars.ku.edu/maps/cpcbsamplingsites/>, 2010.
- <http://kars.ku.edu/maps/weldapbg/>, 2010.
- <http://kars.ku.edu/maps/kufs/>, 2011-2014.
- <http://kars.ku.edu/maps/aquaticresourceplanner/>, 2010-2013. (incorporated into the naturalresourceplanner
- <http://kars.ku.edu/maps/texasflood1938/>, 2009.
- <http://kars.ku.edu/maps/klcp2005/>, 2009.
- <http://kars.ku.edu/maps/depthtooflood/>, 2009.
- <http://kars.ku.edu/maps/perrylakeextents/>, 2009.
- <http://kars.ku.edu/maps/clintonlakeextents/>, 2009.
- <http://kars.ku.edu/maps/kansasresourceplanner>, 2009, no longer available
- <http://kars.ku.edu/maps/ksr>, 2009-2010, no longer available.

CARTOGRAPHIC PRODUCTS

Maps digitized, compiled and completed by Automated Cartography, Kansas Geological Survey

- Mudge, M. R. and Burton, R. H., [1959] 2007, Geologic Map of Wabaunsee County, Kansas; modified by L. L. Brady, D. R. Collins, J. A. Ross, and J. D. Hartman to fit U. S. Geological Survey 1:24,000 topographic base: Kansas Geological Survey, Map M-111, scale 1:50,000; revised from U. S. Geological Survey Bulletin 1068-2, plate 2.
- O'Connor, H. G., [1955] 2007, Geologic Map of Osage County, Kansas; modified by D. R. Collins to fit U. S. Geological Survey 1:24,000 topographic base: Kansas Geological Survey, Map M-54, scale 1:50,000; revised from KGS Volume 13, part 1, plate 1.
- Winslow, J. D. [1972] 2007, Geologic Map, Jefferson County, Kansas, modified by E. C. Crouse, D. R. Collins, and J. A. Ross to fit U. S. Geological Survey 1:24,000 topographic base: Kansas Geological Survey, Map M-55, scale 1:50,000, revised from KGS Bulletin 202, part 4, plate 1.
- Scott, G. R., Foster, F. W., and Crumpton, C. F., [1959] 2004, Geologic Map of Pottawatomie County, Kansas; modified by D. R. Collins, J. A. Ross, and J. D. Hartman to fit U. S. Geological Survey 1:24,000 topographic base: Kansas Geological Survey, Map M-110, scale 1:50,000, revised from U. S. Geological Survey, Bulletin 1060-C, plate 5. [pdf image available at http://www.kgs.ku.edu/General/Geology/County/nop/pt/gifs/M110_PottawatomieGeology_2004.pdf] Note: this large pdf file (26MB) may take one or two minutes to download]
- Moore, R. C., Jewett, J. M., and O'Connor, H. G. [1951] 2004, Geologic Map of Chase County, Kansas, (scale 1:63,360) modified by D. R. Collins, J. A. Ross, and E. C. Crouse to fit U. S. Geological Survey 1:24,000 topographic base: Kansas Geological Survey, Map M-56, scale 1:50,000; revised from KGS Volume 11, part 1, plate 1 and other sources. [pdf image available at <http://www.kgs.ku.edu/General/Geology/County/abc/chase.html>]
- Neuhauser, K. R., 2003, Geologic Map, Osborne County, Kansas: Kansas Geological Survey, Map M-102, scale 1:50,000. [pdf image available at http://www.kgs.ku.edu/General/Geology/County/nop/ob/gifs/M102_OsborneGeology_2003.pdf]
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TECHNICAL SEMINARS PRESENTED

USGS, Denver office, “Map Production and Print on Demand”, October 1999.

Data Capture Working Group of the National Digital Geologic Map Standards Committee, Digital Mapping Techniques 1998, "Providing spatial data and GIS applications via the Internet," Champaign, IL, 1998.

Petrophysics Seminar Series # 103, "Data available in Oracle: what is available, how you can access it, the difference between WWC5 and WIZARD, and various disclaimers", 1998.

I.O.G.C.C., "Demo on how to do interactive mapping using ArcView in the Internet", 1998.

Instituto Tecnológico GeoMinero de España, "Mapping techniques and map production at the Kansas Geological Survey", Madrid Spain, 1997.

Emporia State University, Earth Science Department, "Demo on ArcView applications on geologic databases," annual seminar, April 1996–April 1999.

Emporia State University, Earth Science Department, "GIS functions and applications on desktop computers", annual seminar, April 1993–April 1999.

Emporia State University, Earth Science Department, "GIMMAP operations and applications to geologic maps", annual seminar, April 1993–April 1999.

Digital Geologic Map Standards Committee and Working Group on Data Capture, AASG and USGS, DMT'97, "Information capture from previously published maps", Lawrence Kansas, 1997.

Digital Geologic Map Standards Committee and Working Group on Data Capture, AASG and USGS, DMT'97, "Digital geologic map production at the Kansas Geological Survey", Lawrence, Kansas, 1997.

Digital Geologic Map Standards Committee and Working Group on Data Capture, AASG and USGS, Denver, CO, "Compilation of digital geologic map data at the Kansas Geological Survey," 1996

Emporia State University, Earth Science Department, "Demo on ArcView applications on oil and gas databases", April 1995.

Energy Research Center in cooperation with The Wichita State University, Computer Application Workshop: PC Software for the Petroleum Industry, "Introduction to geographic information systems (GIS)", April 1993.

Akademie der Wissenschaften der DDR Zentralinstitut für Physik der Erde, "GIMMAP operations and applications to geologic maps", 1989.

Kansas Water Office "Computer assisted cartography at the Kansas Geological Survey", Lawrence KS, 1988.

USGS, National Mapping Division at the Mid-Continent Mapping Center in Rolla, MO., "Operations and applications of GIMMAP", Lawrence KS, 1988.

Fort Hays State University, Geology Department, "GIMMAP operations and applications to geologic maps", Lawrence KS, 1988.

Kansas Biological Survey, "GIMMAP operations and applications to any kind of map", seminar and demonstration, Lawrence KS, 1987.

University of Missouri, Geography Department "Computer assisted cartography", seminar and demonstration, Lawrence KS, 1987.

Geological Survey of Austria, "GIMMAP operations and applications to geologic maps", Lawrence KS, 1987.

Kansas Division of Water Resources, "GIMMAP operations and applications to hydrologic maps", seminar and demonstration, Lawrence KS, 1986.

Kansas Advanced Technology Commission, "Computer assisted cartography at the Kansas Geological Survey", Lawrence KS, 1986.

Voest Alpine Inc., "GIMMAP operations and applications to geologic maps", Lawrence KS, 1986.

Leadership Kansas, "Demonstration of interactive techniques in computer assisted cartography", Lawrence KS, 1985.

University of Kansas, Architecture Class, "Computer assisted cartography at the Kansas Geological Survey", seminar and demonstration, Lawrence KS, 1984.

Geological Mapping Services Inc., "Operations in the application of GIMMAP", Lawrence KS, 1984.

PROFESSIONAL DEVELOPMENT

IAMG2013; Annual conference of the International Association for Mathematical Geosciences, Madrid, Spain
August 2013

ESRI Virtual Course, 2013, Extending Access to GIS Maps and Apps with Portal for ArcGIS
 ESRI Virtual Course, 2013, Gain Geographic Insight with ArcGIS Online Analysis Tools
 ESRI Virtual Course, 2013, Workflows to Manage and Share Imagery in ArcGIS
 ESRI Virtual Course, 2013, Streamline Operations with ArcGIS Workflow
 ESRI Virtual Course, 2013, Introduction to the ArcGIS Runtime SDK for IOS
 ESRI Virtual Course, 2013, Security Basics for ArcGIS 10.1 for Server
 ESRI Virtual Course, 2013, Beyond Where: Using Regression Analysis To Explore Why
 Workshop, 2013, Content Management Systems (Drupal - CMS) for Editor/Contributor

IAMG2012; Annual conference of the International Association for Mathematical Geosciences, Brisbane, Australia
August 2012

Workshop, 2012, GIS-Based Tools for Renewable Energy Development, Denver, Colorado

ESRI Virtual Course, 2012, Working with Imagery with ArcGIS Desktop 10.1

ESRI Virtual Course, 2012, Sharing a GIS content Using an ArcGIS Online Subscription

ESRI Virtual Course, 2012, Creating a Web Editing Application Using ArcGIS Server 10.1

ESRI Virtual Course, 2012, Creating Python Toolboxes Using ArcGIS Desktop 10.1

ESRI Virtual Course, 2012, Sharing Analysis Workflows Using Geoprocessing Services

ESRI Virtual Course, 2012, Sharing Analysis Workflows Using Geoprocessing Packages

ESRI Virtual Course, 2012, Using Python in ArcGIS Desktop 10

ESRI Virtual Course, 2012, ESRI Maps for Microsoft Office, Share Point, and IBM Cognos

ESRI Virtual Course, 2012, Using Python in ArcGIS Desktop 10

ESRI Virtual Course, 2012, Using HTML5 with ArcGIS

IAMG2011; Annual conference of the International Association for Mathematical Geosciences, Salzburg, Austria
August 2011

ESRI Virtual Course, 2011, Introducing ENVI for ArcGIS Server and ENVI 4.8

ESRI Virtual Course, 2011, Embedding ArcGIS into Share Point

ESRI Virtual Course, 2011, Making and Sharing Maps with ArcGIS OnLine

ESRI Virtual Course, 2011, Using ArcGIS Data Reviewer to Assess Data Quality

IAMG2010; Annual conference of the International Association for Mathematical Geology, Budapest, Hungary
August 2010

2010-GIS Day; GIS day conference at KU, Lawrence, Kansas, November 2010

ESRI Virtual Course, 2010, What is new in ArcGIS version 10

ESRI Virtual Course, 2010, Best Practices for Working with Map Templates

ESRI Virtual Course, 2010, Visualizing and Analyzing Imagery with ArcGIS 10

ESRI Virtual Course, 2010, Running ArcGIS Server on Amazon EC2

ESRI Virtual Course, 2010, Introduction to the ArcGIS Viewer for Flex

ESRI Virtual Course, 2010, Developing Add-Ins for ArcGIS Desktop

ESRI Virtual Course, 2010, Building and Updating Map Caches with ArcGIS Server 10

IAMG2009; Annual conference of the International Association for Mathematical Geology, Stanford, California
August 2009

2009-GIS Day; GIS day conference at KU, Lawrence, Kansas, November 2009

ESRI Virtual Course, 2009, Building Rich Internet Applications with ArcGIS API for Flex

ESRI Virtual Course, 2009, Serving and Managing Imagery with ArcGIS Server

ESRI Virtual Course, 2009, Authoring and Deploying Fast Web Maps

ESRI Virtual Course, 2009, Getting Started with Map Templates

2009-HIS Workshop, Hydrologic Information Systems, Kansas State University, Manhattan, Kansas

IAMG2008; Annual conference of the International Association for Mathematical Geology, Oslo, Norway, August
2008

2008-GIS Day; GIS day conference at KU, Lawrence, Kansas, November 2008

Workshop at KU, 2008, Map Server – open source software

ESRI Virtual Course, 2008, Using ArcGIS Server Geoprocessing Services

ESRI Virtual Course, 2008, Using ArcGIS Server Setup and Administration

ESRI Virtual Course, 2008, Imagery in an Enterprise GIS

ESRI Virtual Course, 2008, Building Mashups Using the ArcGIS JavaScript API

ESRI Virtual Course, 2008, Implementation Security for ArcGIS Server .NET Solutions

ESRI Virtual Course, 2008, Leveraging OGC Capabilities in ArcGIS Server 9.3

IAMG2007; Annual conference of the International Association for Mathematical Geology, Beijing, China, August
2007.

ESRI Workshop, 2007, Developing Applications with ArcGIS Server Using the Microsoft .NET Framework.

ESRI Workshop, 2007, Introduction to ArcGIS Server.

Geography 980-Topics in Remote Sensing, 2007, LIDAR Data.

USGS Workshop, 2007, LIDAR Data.

ESRI Virtual Course, 2006, Customizing ArcIMS.

ESRI Virtual Course, 2006, Learning Arc IMS.

ESRI Virtual Course, 2006, Introduction to IMS.

IAMG2006; Annual conference of the International Association for Mathematical Geology, Liege, Belgium, September 2006.

Query Skills, Database Connections , and SQL workshop, Magic conference, Kansas, City, April 2006.

Database Design workshop, Magic conference, Kansas, City, April 2006.

IAMG2005; Annual conference of the International Association for Mathematical Geology, Toronto, Canada, August 2005.

Thirty-second International Geologic Conference, Florence, Italy, August 2004.

ESRI Training Course, 2003, Introduction to ArcSDE™ using ArcInfo 8; 16 hours of classroom instruction.

ESRI Training Course, 2003, Introduction to ArcGIS™ I (for ArcView® 8, ArcEditor™ 8, and ArcInfo™ 8); 16 hours of classroom instruction.

ESRI Training Course, 2003, Presenting Information (for ArcView ® 8, ArcEditor™ 8, and ArcInfo™ 8); 5 modules, virtual class.

ESRI Training Course, 2003, Learning ArcGIS I (for ArcView® 8, ArcEditor™ 8, and ArcInfo™ 8); 6 modules, virtual class.

ESRI Training Course, 2003, Creating, Editing, and Managing Geodatabases (for ArcGIS™ 8.2); 5 modules, virtual class.

ESRI Training Course, 2003, Building Geodatabases I; 24 hours of classroom instruction.

IAMG2003; Annual conference of the International Association for Mathematical Geology, Portsmouth, England, September 2003.

Digital Mapping Techniques '03 Workshop, sponsored by the USGS, AASG, and Pennsylvania Geological Survey Millersville, PA, May 2003.

IAMG'02; Annual conference of the International Association for Mathematical Geology, Berlin, Germany, October 2002.

Digital Mapping Techniques '02 Workshop, sponsored by the USGS, AASG, and Utah Geological Survey Salt Lake City, UT, May 2002.

ESRI Training Course, 2002, Introduction to ArcGIS (ArcMap, ArcTools, ArcCatalog), hosted by KGS, Lawrence, KS.

IAMG'01; Annual conference of the International Association for Mathematical Geology, Cancun, Mexico, September 2001.

Digital Mapping Techniques '01 Workshop, sponsored by the USGS, AASG, and Alabama Geological Survey Tuscaloosa, AL, May 2001.

IAMG'00, annual international conference of the International Association for Mathematical Geology, Rio de Janeiro, Brazil, August 2000.

Thirty-first International Geological Congress, Rio de Janeiro, Brazil, August 2000.

DMT'00, conference of the Digital Geologic Map Standards Committee and Working Group on Data Capture, AASG and USGS, Lexington, Kentucky, May 2000.

Third Joint Mexican Association of Petroleum Geologist and the American Association of Petroleum Geologist International Conference AMGP/AAPG'99, in Veracruz, Mexico, October, 1999.

IAMG'99, fifth annual international conference of the International Association for Mathematical Geology, Trondheim, Norway, August 1999.

DMT'99, conference of the Digital Geologic Map Standards Committee and Working Group on Data Capture, AASG and USGS, Madison WI, May 1999.

GSA'98, annual meeting of the Geologic Society of America, Toronto, Canada, 1998.

DMT'98, conference of the Digital Geologic Map Standards Committee and Working Group on Data Capture: AASG and USGS, Champaign, IL, May 1998.

DMT'97, first conference of the Digital Geologic Map Standards Committee and Working Group on Data Capture: AASG and USGS (conference site proposed by Ross, J. A., conference host/coordinator, KGS), Lawrence, KS, May 1997.

IAMG'97, third annual international conference of the International Association for Mathematical Geology, Barcelona Spain, September 1997.

Digital Geologic Map standards Committee and Working Group on Data Capture, AASG and USGS, Denver, CO, October 1996.

Geological Society of America Annual Meeting, Denver, CO, October 1996.

Tenth Annual Symposium on Geographic Information Systems in Natural Resources Management, Vancouver, BC, Canada, March 1996.

Ninth Annual Symposium on Geographic Information Systems in Natural Resources Management, Vancouver, BC, Canada, March 1995.

Training in applications of ArcView software. Kansas City, KS, 1995.

American Association of Petroleum Geologist, annual meeting, Denver Colorado, June 1994.

"GIS for Managers", seminar sponsored by the Geographic Research Applications and Information Laboratory (GRAIL), and Geography Department at the University of Kansas, June 1991.

"ABC's of GIS", seminar co-sponsored by the Geographic Research Applications and Information Laboratory (GRAIL), Geography Department, and Kansas Applied Remote Sensing Program (KARS) at the University of Kansas, May 1991.

GIS/LIS '89, Geographic and Land Information Systems: American Congress on Surveying and Mapping and others, Orlando, Florida, November 1989.

"Valuing Diversity, Part III: Communicating Across Cultures", seminar sponsored by the Office of Affirmative Action in the Kansas University, Lawrence, KS, April 1989.

"Valuing Diversity, Part II: Diversity at Work", seminar sponsored by the Office of Affirmative Action in the Kansas University, Lawrence, KS, April 1989.

"Valuing Diversity, Part I: Managing Differences", seminar sponsored by the Office of Affirmative Action in the Kansas University, Lawrence, KS, April 1989.

AUTO-CARTO IX (9th International Symposium on Computer-Assisted Cartography), Baltimore, MD, April 1989.

The ARC/INFO Geographic Information System Training Course: Environmental Systems Research Institute, at Lawrence, KS, June 1989.

Symposium on Kansas Mapping Technology and Application, Kansas Academy of Science and the University of Kansas, Lawrence KS, April 1988.

Geographic Information Systems Conference, sponsored by the Division of Continuing Education, The University of Kansas, Lawrence, KS, December 1987.

Seminar on Automated Cartography and Computer Graphics in the Geosciences, by Michael McCullagh, at the University of Nottingham, England, September 1986.

AUTO-CARTO LONDON (1st International Conference on the Acquisition, Management, and Presentation of Spatial Data), London, England, September 1986.

Introduction to Supervision Seminar, The University of Kansas, Lawrence KS, August 1986.

Association of Earth Science Editors (National Convention), Lawrence, KS, October 1985.

AUTO-CARTO VII (7th International Symposium on Computer-Assisted Cartography), Washington, D.C., March 1985.

REFERENCES

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