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Professor of Geography
University of Kansas

VITA
September 18, 2007

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CURRENT POSITIONS

Professor, Department of Geography, University of Kansas (2003-present)

President, American Geographical Society (2002-present; Councilor, 1997-2002; Fellow, 1997-present; Director of Exploration, 1999-present)

Fellow, Royal Geographical Society (2004-present)

Honors Committee (elected), Association of American Geographers (2005-present), **Chair** (2007)

Sigma Xi (2004-present)

Lead Delegate (representing KU), University Consortium for Geographic Information Science, (2001-present)

Editorial Board and Field Editor, Legal and Ethical Issues of GIS, Encyclopedia of Geographic Information Science (Springer: Berlin) (2006-present)

PREVIOUS POSITIONS

Long Range Planning Committee, Association of American Geographers (2000-2004)

Contributing Editor with regular column, "The G in GIS," *GeoWorld* magazine (1990-2004)

Research Professor, Kansas Biological Survey, University of Kansas (2001-2003)

Distinguished Research & Development Staff, Geographic Information Science and Technology Group, Computational Physics and Engineering Division, **Oak Ridge National Laboratory**, 2001; Senior Development Staff, 1996-2001; Senior Research Staff, 1990-1996; Research Staff Member, Computing and Telecommunications Division, 1984-1990; Leader, Resource Analysis Group, Energy Division, 1979-1984; Research Staff Member, 1976-1979; Consultant, 1975-1976

Adjunct Professor, Department of Geography, University of Kansas, 2000-2001

President, University Consortium for Geographic Information Science 1996-1997; Past President, 1997-1998; President-Elect, 1995-1996; Chair, Interim Research Committee, 1994-1995

U. S. Delegate and Expert to the International Organization for Standardization, Technical Committee on Geographic Information/Geomatics, Working Group 1 (ISO/TC211/WG1), 1997-1998.

Varenus Board, National Center for Geographic Information and Analysis, 1997-1998.

Board of Directors, *GIS World*, 1990-1997.

Research Team Leader for Information Infrastructure, National Center for Environmental Decision-making Research (funded by the National Science Foundation), 1995-1997.

Advisory Committee on Geographic Information Technology, Roane State Community College, 1996-1997.

Scientific Editor, *GIS World Sourcebook*, 1991-1996.

Geographic Information Council, Department of Energy, 1995-1996.

Program Committee, Association of American Geographers, 1994-1995.

Steering Committee, National Committee for Digital Cartographic Data Standards, 1985-1993.

Chair, Geographic Information Systems Specialty Group, Association of American Geographers, 1990-1991; Vice Chair, 1989; Board of Directors, 1987-1989.

Steering Committee, Applied Geography Conferences, 1986-1991; Co-Director of Conference, 1990; Co-Host of Conference, 1987.

Program Committee, Geographical Information Systems/Land Information Systems Conference, 1988.

Co-Host, Symposium on Information Technology and Emergency Management, 1988-1989.

Advisory Committee, *The Columbia Lippincott Gazetteer of the World*, 1986-1990.

Editorial Board, *The Professional Geographer*, 1985-1987.

Visiting Associate Professor, Department of Geography, Arizona State University, Fall Semester, 1983.

Geographic Information Systems Subcommittee, Information Handling Committee (An Interagency Committee of the Federal Government), 1983-1989.

Co-founder and First Chair, Energy Specialty Group, Association of American Geographers, 1979-1982; Director, 1982-1984.

Program Committee, International Geographic Information Systems Symposium, 1987.

Chair, Professional Careers Development Committee, Southeastern Division, Association of American Geographers, 1980.

Chair, Task Force on Education for Loudon County, Tennessee, 1985-1986.

Hospital Advisory Committee, Loudon County, Tennessee, 1987.

Graduate Teaching Assistant, University of Tennessee, 1971-1974.

Graduate Teaching Assistant, University of Georgia, 1968-1971.

Elementary School Teacher, Cherokee County, Georgia, 1968-1969.

EDUCATION

Ph.D. in Geography 1975 University of Tennessee.

M.A. in Geography 1972 University of Georgia.

A.B. in Geography 1967 University of Georgia.

A.A., Summa Cum Laude 1965 Reinhardt College.

MAJOR PUBLICATIONS

Refereed Journal Articles:

Dobson, J. E. 2007. "Bring Back Geography!" *ArcNews* 29(1): 1-5.

Dobson, J. E. 2006. "Why Can't Geographers Tell Their Own Story?" *Geographical Review* 96(3): 480-483.

Dobson, J. E. and P. F. Fisher. *Accepted for publication*. "The Panopticon's Changing Geography." *Geographical Review* 97(3).

Dobson, J. E. 2007. "In Harm's Way: Estimating Populations at Risk. Technical paper in NRC [National Research Council]. *Tools and Methods for Estimating Populations at Risk from Natural Disasters and Complex Humanitarian Crises*. Washington, D.C.: National Academy Press. p. 161-166.

Kostelnick, J. C., J. E. Dobson, S. L. Egbert, and M. D. Dunbar. *Accepted for publication*. "Cartographic Symbols for Humanitarian Demining," *The Cartographic Journal*, 44 pp. (manuscript).

Fisher, P. F, and J. E. Dobson. 2003. "Who Knows Where You Are, and Who Should, in the Era of Mobile Geography?" *Geography* 88(4): 331-337.

Dobson, J. E., and P. F. Fisher. 2003. "Geoslavery," *IEEE Technology and Society Magazine* 22(1): 47-52.

Dobson, J. E. 2001. "Fieldwork in a Digital World," *Geographical Review* 91(1-2): 430-440.

Dobson, J. E., E. A. Bright, P. R. Coleman, R.C. Durfee, B. A. Worley. 2000. "LandScan: A Global Population Database for Estimating Populations at Risk," *Photogrammetric Engineering & Remote Sensing* (inc. front cover of journal) 66(7):849-857.

Dobson, J. E. 1998. "The Iodine Factor in Health and Evolution," *Geographical Review* 88 (1):1-28.

Dobson, J. E.. 1996. "A Paleogeographic Link Between Australia and Eastern North America: A New England Connection?" *Journal of Biogeography* 23:609-617.

Dobson, J. E. 1995. "GIS and Remote Sensing for Carrying Capacity and Sustainability Studies," *Acta Environmentalica Universitatis Comenianae (Bratislava)* 4(5):231-237.

Dobson, J. E. 1993. "The Geographic Revolution: A Retrospective on the Age of Automated Geography," *The Professional Geographer* 45(4):431-439.

Dobson, J. E. 1993. "A Conceptual Framework for Integrating Remote Sensing, GIS, and Geography," *Photogrammetric Engineering and Remote Sensing* 59(10):1491-1496.

Dobson, J. E. 1993. "A Rationale for The National Center for Geographic Information and Analysis," *The Professional Geographer* 45(2):207-215.

Dobson, J. E. 1992. "Czechoslovakia and America: Bridging the Geographic Gap," *Acta Universitatis Carolinae, 1992 Geographica* 27(1):37-43.

Dobson, J. E. 1992. "Spatial Logic in Paleogeography and the Explanation of Continental Drift," *Annals of the Association of American Geographers* 82(2):187-206.

Klemas, V. V., J. E. Dobson, R. L. Ferguson, and K. D. Haddad. 1992. "A Coastal Land Cover Classification System for the NOAA Coastwatch Change Analysis Project," *Journal of Coastal Research* 9(3):862-872.

Barkenbus, B. D., B. C. Zygmunt, and J. E. Dobson. 1991. "HMIMS: Hazardous Materials Incident Management System for Air Force Fire Departments," *Journal of Chemical Information and Computer Sciences* 31(1):137-143.

Dobson, Jerome E., Richard M. Rush, and Robert W. Peplies. 1990. "Forest Blowdown and Lake Acidification," *Annals of the Association of American Geographers* 80(3):343-361.

Dobson, Jerome E., Robert W. Peplies, Edward C. Krug, and Richard M. Rush. 1987. "Versauerung von Seen in Neu-England," *Geographische Rundschau* 39(9):492-497.

Dobson, J. E. 1985. "Automated Geography and Emergency Management," *The Information Society* 3(4):347-359.

Dobson, J. E. 1983. "Automated Geography," *The Professional Geographer* 35(2):135-143.

Dobson, J. E. 1979. "A Regional Screening Procedure for Land Use Suitability Analysis," *Geographical Review* 69(2):224-234.

Refereed Monographs and Reports:

Khorram, S., G. S. Biggings, N. R. Chrisman, D. R. Colby, R. G. Congalton, J. E. Dobson, R. L.

Ferguson, M. F. Goodchild, J. R. Jensen, T.H. Mace. 1999. *Accuracy Assessment of Remote Sensing-Derived Change Detection*, American Society for Photogrammetry and Remote Sensing, Monograph Series, 64 pages.

Dobson, J. E., E. A. Bright, R. L. Ferguson, D. W. Field, L. L. Wood, K. D. Haddad, H. Iredale, III, V. V. Klemas, R. J. Orth, and J. P. Thomas. 1995. *NOAA Coastal Change Analysis Program: Guidance for Regional Implementation* Version 1.0, NOAA technical report NMFS 123, 92 pages.

Barkenbus, B. D., R. J. Carter, J. E. Dobson, et al. 1990. *Environmental Protection for Hazardous Materials Incidents*, ORNL/TM-11421.

David L. Feldman and Jerome E. Dobson. 1990. *Decision Making Technical Support Study for the U. S. Army's Chemical Stockpile Disposal Program: Enhancing Command, Control, and Computer Operations at Aberdeen Proving Ground and Pine Bluff Arsenal*, ORNL/TM-11412.

Durfee, R.C., and D. L. Wilson, J. E. Dobson, et al. 1988. *Review of Geographic Processing Techniques Applicable to Regional Analysis*, ORNL/CSD/TM-226.

Rush, R.M., J. E. Dobson, et al. 1985. *An Investigation of Landscape and Lake Acidification Relationships*, ORNL/TM-9754.

Hildebrand, Steve G., Raymond J. Borkowski, Jerome E. Dobson, et al. 1983. *Water Research Opportunities in the 1980s: An Analysis of Selected Topics*, ORNL/PPA-83/5.

Spiewak, I., E. S. Bomar, T. R. Butz, J. G. Delene, J. E. Dobson, G. K. Eddlemon, E. C. Fox, C. W. Gehrs, R. N. Helgerson, R. H. Ketelle, J. F. McBrayer, J. P. Nichols, C. H. Petrich, and M. D. Silverman. 1982. *Chattanooga Shale: An Assessment of the Resource and Technology for the Recovery of Hydrocarbons and Minerals*, ORNL/TM-7920, 230 pp.

Dobson, J. E., et al. 1981. *Environmental Implications of Small Fixed-Bed Gasifiers for Industry*, ORNL/TM-7361, 163 pp.

Dobson, Jerome E., Richard L. Church, Thomas L. Bell, and Alf D. Shepherd. 1980. *Conceptual Design of a Water Quantity Model*, ORNL/TM-7397.

Dobson, J. E., and A.D. Shepherd. 1979. *Water Availability for Energy in 1985 and 1990*,

ORNL/TM-6777, Oak Ridge National Laboratory.

Dobson, J. E., and A.D. Shepherd. 1979. "Water Availability," in *An Assessment of National Consequences of Increased Coal Utilization*, TID-2945 (Vol. 2), Argonne National Laboratory.

Dobson, J. E. 1977. *The Maryland Power Plant Siting Project: An Application of the ORNL Land Use Screening Procedure*, ORNL/TM-80, Oak Ridge National Laboratory.

Jalbert, Jeffrey S., and J. E. Dobson. 1977. *A Cell-Based Land Use Screening Procedure for Regional Siting Analysis*, ORNL-NUREG/TM-80, Oak Ridge National Laboratory.

Dobson, J. E. 1976. "Land Resources," in Cal C. Burwell et al., *Nuclear Energy Center Site Survey-1975 Part V, Section 4*, NUREG-0001, U.S. Nuclear Regulatory Commission.

Invited Journal Articles, Books, and Book Chapters:

Sui, D. Z. and M. Ball, eds. 2006. *Geospatial Matters: Exploring the Implications of a Digital Earth*, a book collection of *GIS World* and *GeoWorld* columns by J. E. Dobson,, N. M. Waters, D. Z. Sui, and J. W. Crampton (GeoTec Media: San Francisco).

Dobson, J. E. 2005. "Every Step You Take, Every Move You Make," *Ubique*, Vol. 25, No. 2, pp. 1-2, 4. **Reprinted in *The Introductory Reader in Human Geography: Contemporary Debates and Classic Writings***, W. Moseley, D. Lanegran, and K. Pandit, eds. (Blackwell Press: Malden, MA) forthcoming 2007. Also published as op-ed under various titles in *The Chicago Tribune*, *Casper Star-Tribune*, *Anchorage Daily News*, *North Jersey Record*, *Akron Beacon Journal*, *Southern Mississippi Sun Herald*, and *Directions Magazine*.

Dobson, J. E. 2003. "The GIS Revolution in Science and Society," Chapter 24 in *Geography and Technology*, co-edited by Stanley D. Brunn, Susan L. Cutter, and J. W. Harrington, Jr., (Kluwer Academic Publishers) pp. 573-587.

Dobson, J. E. 2003. "Estimating Populations at Risk," Chapter 5.5 in *Geographical Dimensions of Terrorism* edited by Susan L. Cutter, Douglas B. Richardson, and Thomas J. Wilbanks (Routledge: New York and London) pp. 161-167.

Dobson, J. E., E. A. Bright, P. R. Coleman, and B. L. Bhaduri. 2003. "LandScan2000: A New

Global Population Geography,” Chapter 15 in V. Mesev (ed.) *Remotely-Sensed Cities*. (London: Taylor & Francis) pp. 267-279.

Dobson, J. E., S. W. Trimble, J. R. Dobson, D. A. Friend. 1999. “In Memoriam: Kirk H. Stone, 1914-1997,” *Annals of the Association of American Geographers* 89(3):535-548.

Dobson, J. E., and R. C. Durfee. 1998. "A Quarter Century of GIS at Oak Ridge National Laboratory," Chapter 15 in *The History of GIS: Perspectives from the Pioneers*, T. Foresman, ed. (Prentice Hall: Upper Saddle River, NJ) pp. 231-263.

Dobson, J. E., and R. C. Durfee. 1995. "ORNL and the Geographic Information Systems Revolution," *ORNL Review* Vol 28, No. 1. Reprinted 2003 in *Annual Editions: Geography 04/05G*. R. Pitzl, ed. (McGraw Hill, New York, NY).

Dobson, J. E. 1984. "Introduction to Section II-Spatial Assessment and Impact Mitigation" in M.J. Pasqualetti and D. Pijawka (eds.), *Nuclear Power: Assessing and Managing Hazardous Technologies*(Boulder: Westview) pp. 93-101.

Dobson, J. E., and Richard C. Durfee. 1987. "Automated Geography: Status and Prospects," *The Role of Geography in a Post-Industrial Society, Vechtaer Arbeiten zur Geographie und Regionalwissenschaft*, **5**, edited by H. W. Windhorst (Vechta, F.R.G.: Department of Geography, Universitat Osnabruck, abt. Vechta).

Invited Congressional Testimony:

Dobson, J. E. 1984. "Statement of Dr. Jerome E. Dobson," *The Role of Information Technology in Emergency Management*, Official Record of Hearings Before the Subcommittee on Investigations and Oversight of the Committee on Science and Technology, U.S. House of Representatives (Washington: Government Printing Office).

MINOR PUBLICATIONS

Commentaries and Replies:

Dobson, J. E. 2003. “Independent Corroboration of a Previously Proposed Palaeozoic Link between Eastern Australia and Eastern North America,” *Journal of Biogeography* 30 (3): 473.

Dobson, J. E. 2003. "Comment in Reply: An Interdisciplinary Discourse on the Role of Iodine in Human Evolution," *Geographical Review* 92(1):97-103.

Dobson, J. E. and Glenn W. Geelhoed. 2001. "The Châtelperronian/Aurignacian Conundrum: One Culture, Multiple Human Morphologies?" *Current Anthropology* 42(1):139-140.

Dobson, J. E. 1999. "On "Metabolic Maladaptation: Individual and Social Consequences of Medical Intervention in Correcting Endemic Hypothyroidism" by Glenn William Geelhoed, MD, DTMH, MPH, FACS; George Washington University Medical Center," *Nutrition* 15(11/12):939.

Dobson, J. E. 1993. "Reply to Comments on Spatial Logic in Paleogeography and the Explanation of Continental Drift," *Annals of the Association of American Geographers* 83(2):369-370.

Dobson, J. E., R.W. Peplies, and R.M. Rush. 1987. "Commentary on Lake Acidification," *Environment* 29(5):2-3.

Dobson, J. E. 1983. "Reply to Comments on Automated Geography," *The Professional Geographer* 35(3):349-353.

Professional Magazine Articles:

Bhaduri, B. L., E. A. Bright, P. R. Coleman, and J. E. Dobson. 2002. "LandScan; Locating People is What Matters," *GeoInformatics*, Vol. 5, No. 2, pp. 34-37.

Dobson, Jerome E., and Edward A. Bright. 1991. "CoastWatch: Detecting Change in Coastal Wetlands," *GeoInfo Systems*.

Dobson, J. E. 1990. "The Two Faces of Geography," *Mensa Bulletin*, 337:1,3-4.

Book Reviews:

Dobson, J. E. 2002. Book Review: *Great Feuds in Science: Ten of the Liveliest Disputes Ever* by Hal Hellman. *Geographical Review* 92(1):148-150.

Dobson, J. E. 1992. Book Review: *Geographical Information Systems: Principles and Applications* by David J. Maguire, Michael F. Goodchild, and David W. Rhind (editors), *The Professional Geographer* 44(3):358-359.

Dobson, J. E. 1984. Book Review: *Nonconventional Energy Resources* by Philip R. Pryde, *The Professional Geographer* 36(2):273-274.

Encyclopedia Entries:

Dobson, J. E. 2006. "Automated Geography," *Encyclopedia of Human Geography*, B. Warf ed. (Sage Publications: Thousand Oaks, CA) p. 15.

Dobson, J. E. 2006. "Geoslavery," *Encyclopedia of Human Geography*, B. Warf ed. (Sage Publications: Thousand Oaks, CA) p. 186-187.

Dobson, J. E. 2005. "Geographic Information Systems," *Encyclopedia of World Geography*, R. W. McColl, ed. (Golson Books: Croton-on-Hudson, NY).

Editorials:

Dobson, J. E. 2006. "Restoring Geography In America." *Ubique*, Vol. 27, No. 3, pp. 1-3.

Dobson, J. E. 2006. "Bowman Expedition to the Antilles." *Ubique*, Vol. 26, No. 2, pp. 1-2.

Dobson, J. E. 2006. "Geographic Ignorance Has Led U.S. Into Folly." *Rocky Mountain News*, May 7, 2006, also appeared as "Who gunned down geography?" *Worcester Telegram and Gazette*, April 25, 2006, and "Who shot geography?" *Tampa Tribune*, May 6, 2006.

Dobson, J. E. 2006. "AGS Conducts Fieldwork in Mexico," *Ubique*, Vol. 26, No. 1, pp. 1-3.

Dobson, J. E. 2005. "AGS Tackles Landmines," *Ubique*, Vol. 25, No. 3, pp. 1-3.

Dobson, J. E. 2005. "Foreign Intelligence Is Geography," *Ubique*, Vol. 25, No. 1, pp. 1-3.

Dobson, J. E. 2004. "The G Moves Onward," *GeoWorld*, Vol. 17, No. 3, pp. 20-21.

Dobson, J. E. 2004. "Geographic Ignorance Drives Foreign Policy," *GeoWorld*, Vol. 17, No. 1, pp. 20-21.

Dobson, J. E. 2005. "A Unified Legislative Agenda for Geography and GIS," *Ubique*, Vol. 24, No. 1, pp. 1-3.

Dobson, J. E. 2003. "GIS Helps Estimate Populations at Risk," *GeoWorld*, Vol. 16, No. 11, pp. 22.

Dobson, J. E. 2003. "Global GIS Demands Global Fieldwork," *GeoWorld*, Vol. 16, No. 9, pp. 24.

Dobson, J. E. 2003. "The Barrage of Baghdad Changes Everything," *GeoWorld*, Vol. 16, No. 7., pp. 22.

Dobson, J. E. 2003. "Think Twice About Kid-Tracking," *GeoWorld*, Vol. 16, No. 5., pp. 22-23.

Dobson, J. E. 2003. "Foresman's Geomander Shows GIS Origins," *GeoWorld*, Vol. 16, No. 3., pp. 22-23.

Dobson, J. E. 2003. "3-D Geovisualization Is Coming of Age," *GeoWorld*, Vol. 16, No. 1., 24-25.

Dobson, J. E. 2002. "Geographer Questioned at Pearly Gates." *GeoWorld*, Vol. 15, No. 9, pp. 26-27.
(Reprinted in *Ubique*, Vol. 22, No. 3, pp 1, 6)

Dobson, J. E. 2002. "An Evil King Used Geography to Enslave the Congo." *GeoWorld*, Vol. 15, No. 7, pp. 28-29.

Dobson, J. E. 2002. "Scientific Integration Means GIS." *GeoWorld*, Vol. 15, No. 5, pp. 24-25.

Dobson, J. E. 2002. "What's New About GIS?" *GeoWorld*, Vol. 15, No. 3, pp. 22-23.

Dobson, J. E. 2002. "GIS Supports the War on Terrorism in Many Ways." *GeoWorld*, Vol. 15, No. 1, pp. 22-23.

Dobson, J. E. 2001. "How Will GIS Help Fight the War on Terrorism?" *GeoWorld*, Vol. 14, No. 11,

pp. 24-25.

Dobson, J. E. 2001. "ORNL Created a Powerful Legacy for Geographic Research." *GeoWorld*, Vol. 14, No. 9, pp. 26-27.

Dobson, J. E. 2001. "Geography's Public Image Impacts GIS." *GeoWorld*, Vol. 14, No. 7, pp. 28-29.

Dobson, J. E. 2001. "Global Data Coverage Makes Progress." *GeoWorld*, Vol. 14, No. 5, pp. 26-27.

Dobson, J. E. 2001. "Six Heroes of Geography Sign Fliers' and Explorers' Globe." *GeoWorld*, Vol. 14, No. 3, pp. 26-27.

Dobson, J. E. 2001. "America's Oldest Geographic Association Celebrates Its 150th Anniversary," *GeoWorld*, Vol. 14, No. 1, pp. 26-27.

Dobson, J. E. 2000. "Real Survivors Wrote Geography," *GeoWorld*, Vol. 13, No. 11, pp. 26-27. (Reprinted as "The World of the Real Survivors," *Chattanooga Times Free Press*, March 11, 2001, Section G, p. 1)

Dobson, J. E. 2000. "Geography Gets a Boost From USGS," *GeoWorld*, Vol. 13, No. 9, p. 28.

Dobson, J. E. 2000. "A New Spatial Statistic Is Needed To Measure "Probability-of-Fit,"" *GeoWorld*, Vol. 13, No. 7, pp. 24-25.

Dobson, J. E. 2000. "What Are the Ethical Limits of GIS?" *GeoWorld*, Vol. 13, No. 5, pp. 24-25.

Dobson, J. E. 2000. "Who Will Land First on Digital Earth?" *GeoWorld*, Vol. 13, No. 3, pp. 26-27.

Dobson, J. E. 2000. "LandScan 1998 Provides Global Population Data at High Spatial Resolution," *GeoWorld* Vol. 13, No.1, pp. 24-25.

Dobson, J. E. 1999. "The Fliers' Globe Exemplifies 20th Century Exploration," *GeoWorld*, Vol. 12, No.11, pp. 30-31.

Dobson, J. E. 1999. "Science Needs a Better Macroscope," *GeoWorld*, Vol. 12, No.9, p. 26.

Dobson, J. E. 1999. "Pseudo-GIS Retains a Market Niche," *GeoWorld*, Vol. 12, No.7, p. 28.

Dobson, J. E. 1999. "NOAA Proposes New Nautical Charts," *GeoWorld*, Vol. 12, No.5, pp. 30-31.

Dobson, J. E. 1999. "The Quest Continues for Nationwide Land Cover Data," *GeoWorld*, Vol. 12, No.3, pp. 28-29.

Dobson, J. E. 1999. "Explore Aquaterra—Lost Land Beneath the Sea," *GeoWorld*, Vol. 12, No.1, p. 30.

Dobson, J. E. 1998. "Geographic Analysis Yields New Neandertal Theory," *GeoWorld*, Vol. 11, No.11, pp. 32-33.

Dobson, J. E. 1998. "The American Geographical Society Serves Geography and GIS," *GIS World*, Vol. 11, No. 9, pp. 36, 38.

Dobson, J. E. 1998. "Is GIS a Privacy Threat?" *GIS World*, Vol. 11, No. 7, pp. 34-35.

Dobson, J. E. 1998. "GIS Standards Advance Slowly," *GIS World*, Vol. 11, No. 5, pp. 32, 34.

Dobson, J. E. 1998. "Decision Makers Need Information Infrastructure," *GIS World*, Vol. 11, No. 3, pp. 36, 38.

Dobson, J. E. 1998. "Public Administration Academy Recommends NSDI Changes," *GIS World*, Vol. 11, No. 1, pp. 34-35.

Dobson, J. E. 1997. "UCGIS Depends on Volunteers," *GIS World*, Vol. 10, No. 11, p. 38.

Dobson, J. E. 1997. "GIS Supports Decision Making Time After Time," *GIS World*, Vol. 10, No. 9, pp. 34, 36.

Dobson, J. E. 1997. "UCGIS Promotes Research Priorities." *GIS World*, Vol. 10, No. 7, pp. 54-55.

Dobson, J. E. 1997. "No, Einstein Didn't Say Geography is Harder Than Physics!" *GIS World*, Vol.

10, No. 5, p. 30.

Dobson, J. E. 1997. "Laboratory Plans Space/Time/Entity/Process System," *GIS World*, Vol. 10, No. 3, p. 34.

Dobson, J. E. 1997. "Did Einstein Really Say Geography is Harder Than Physics?" *GIS World*, Vol. 10, No. 1, p. 36.

Dobson, J. E. 1996. "President Carter's Fireside Chat," *GIS World Sourcebook* (Fort Collins, CO: GIS World, Inc.), pp. 346-348.

Dobson, J. E. 1996. "Australia and North America May Have Collided 300 Million Years Ago," *GIS World*, Vol. 9, No. 11, p. 38.

Dobson, J. E. 1996. "Real-Time GIS Is on the Rise," *GIS World*, Vol. 9, No. 9, p. 34.

Dobson, J. E. 1996. "GIS Has an Image Problem," *GIS World*, Vol. 9, No. 7, p. 32.

Dobson, J. E. 1996. "How Can We Advance Geography and Improve Science?" *GIS World*, Vol. 9, No. 5, p. 34.

Dobson, J. E. 1996. "Something's Brewing Beneath the Sea," *GIS World*, Vol. 9, No. 3, pp. 40.

Dobson, J. E. 1996. "The National Center for Environmental Decision-making Research Debuts," *GIS World*, Vol. 9, No. 1, p. 38.

Dobson, J. E. 1995. "GIS Technology Trends: Geographic Analysis," in the *GIS World Sourcebook* (Fort Collins, CO: GIS World, Inc.), pp. 287-288.

Dobson, J. E. 1995. "What's the Next 'Final' Frontier?" *GIS World*, Vol. 8, No. 11, pp. 40, 42.

Dobson, J. E. 1995. "A Novel Approach to GIS," *GIS World*, Vol. 8, No.9, p. 38.

Dobson, J. E. 1995. "GIS Progresses in Central Europe," *GIS World*, Vol. 8, No.7, pp. 34-35.

Dobson, J. E. 1995. "International Conferences Address GIS in Coastal Zone Management," *GIS World*, Vol. 8, No.5, pp. 42-43.

Dobson, J. E. 1995. "Defining the University Consortium for Geographic Information Science," *GIS World*, Vol. 8, No.3, pp. 44, 46.

Dobson, J. E. 1995. "Watch out for Jökulhlaups!," *GIS World*, Vol. 8, No.1, pp. 37-38.

Dobson, J. E. 1994. "GIS Industry Trends and Forecasts," *1994 International GIS Sourcebook* (Fort Collins, CO: GIS World, Inc.), p. 227.

Dobson, J. E. 1994. "Face the Ground Truth about Accuracy Assessment," *GIS World*, Vol. 7, No.11, pp. 32, 34.

Dobson, J. E. 1994. "The GPS Fieldstation Rides Again," *GIS World*, Vol. 7, No.9, p. 54.

Dobson, J. E. 1994. "Chesapeake Bay Land Cover Change Database Created " *GIS World*, Vol. 7, No.7, pp. 30, 32.

Dobson, J. E. 1994. "GIS Research Community Seeks Stronger Voice," *GIS World*, Vol. 7, No.5, pp. 26, 28.

Dobson, J. E. 1994. "GIS Integration Requires a New Kind of Parallel Processing," *GIS World*, Vol. 7, No.3, p. 28.

Dobson, J. E. 1994. "GPS Advances Geography's Field Tradition," *GIS World*, Vol. 7, No.1, pp. 60-61.

Dobson, J. E. 1993. "GIS Applications and Functional Requirements," *1993 International GIS Sourcebook* (Fort Collins, CO: GIS World, Inc.), p. 203.

Dobson, J. E. 1993. "Can Your GIS Solve This Puzzle?" *GIS World*, Vol. 6, No.11, p. 26.

Dobson, J. E. 1993 "Consider Both Sides of GIS Ethics," *GIS World*, Vol. 6, No. 9, pp. 20-21.

Dobson, J. E. 1993. "What in the World is a Geographer?," *GIS World*, Vol. 6, No. 7, pp. 62-63.

Dobson, J. E. 1993. "Technology Transfer Is a Major Mission," *GIS World*, Vol. 6, No. 4, pp. 26, 27.

Dobson, J. E. 1993. "Land Cover, Land Use Differences Distinct," *GIS World*, Vol. 6, No. 2, pp. 20, 22.

Dobson, J. E. 1992. "Exploring Geographical Analysis," *1991-92 International GIS Sourcebook*(Fort Collins, CO: GIS World, Inc.), pp. 335-337.

Dobson, J. E. 1992. "To Change the Space Program, Join the International Space University," *GIS World*, Vol.5 , No. 1, pp. 34-35 .

Dobson, J. E. 1992. "Global Challenges Demand More Precision, Better Generalization," *GIS World*, Vol. 5, No. 8, pp. 68-69.

Dobson, J. E. 1992. "The Rembrandt Effect Occurs in GIS," *GIS World*, Vol. 5, No. 6, pp. 32, 34-35.

Dobson, J. E. 1992. "Remembering The Long Hard Battle for NCGIA," *GIS World*, Vol. 5, No. 5, pp. 22, 25.

Dobson, J. E. 1992. "A Geographic Flaw Toppled Communism," *GIS World*, and *GIS Europe*, Vol. 5, No. 3, pp. 30, 32.

Dobson, J. E. 1992. "Land Cover Monitoring Efforts Progressing," *GIS World*, and *GIS Europe*, Vol. 5, No. 1, pp. 28, 30.

Dobson, J. E. 1991. "Grand Challenges Lie Ahead in Global Research," *GIS World*, Vol. 4, No. 9, pp. 32, 34-35.

Dobson, J. E. 1991. "Lack of Spatial Intelligence Hampers Communication," *GIS World*, Vol. 4, No. 7, pp. 96, 98.

Dobson, J. E. 1991. "Advice on Going Digital," *GIS World*, Vol. 4, No. 5, pp. 96-97.

Dobson, J. E. 1991. "What is Kansas?" *GIS World*, Vol. 4, No. 4, pp. 96-97.

Dobson, J. E. 1991. "Gaining Perspective: The 1990 *GIS World*, Software Survey Results," *GIS World*, Vol. 4, No. 2, pp. 76,78-79.

Dobson, J. E. 1991. "The G in GIS: Geography Is To GIS What Physics Is To Engineering," *GIS World*, Vol. 4, No. 1, pp. 80-81.

Conference Proceedings:

Kostelnick, J. C., J. E. Dobson, S. L. Egbert, M. D. Dunbar, and A. Arnold. 2006. "A Proposed New World Standard for Humanitarian Demining Map Symbols" 26th ESRI Users Conference, San Diego, California, August 7-11, 2006.

Dobson, J. E. 2002. "War Is God's Way of Teaching GIS," Proceedings of the Merrill Conference on Science at a Time of National Emergency (<http://www.merrill.ku.edu/publications/2002whitepaper/dobson.html>).

Dobson, J. E. 1999. "Geographic Exploration of Digital Earth," Proceedings of the International Symposium on Digital Earth, Beijing, China.

Dobson, J. E., and E. A. Bright. 1994. "Large-Area Change Analysis: The CoastWatch Change Analysis Project (C-CAP)," *Proceedings of the Pecora 12 Conference* (Bathesda, MD: American Society for Photogrammetry and Remote Sensing) pp. 73-81.

James P. Thomas, Randolph L. Ferguson, Jerome E. Dobson, and Ford A. Cross, 1991. "NOAA's CoastWatch Change Analysis Program," Coastal Zone '91 Conference Proceedings.

Dobson, J. E. 1987. "Geographic Analysis for Wetlands Change Detection," *Remote Sensing of Estuaries: Proceedings of a Workshop*, National Oceanic and Atmospheric Administration, pp.157-161.

Ph. D. Dissertation:

University of Tennessee, 1975, "The Changing Control of Economic Activity in the Gatlinburg,

Tennessee, Area, 1930-1973,” 150 pp.

M. A. Thesis:

University of Georgia, 1972, “A Geographic Analysis and Classification of Ski Settlements in the Southeastern United States, 1971,” 64 pp.

Project Reports:

Egbert, S. L., M. D. Dunbar, J. E. Dobson, and J. C. Kostelnick. 2006. *Evaluation of the EOD IS-Survey Handheld Tool for Technical Surveys: Final Report*. Geneva International Centre for Humanitarian Demining. 57 pp.

Rugg, R. D., M. J. Egenhofer, and J. E. Dobson. 1998. *Formalisms and Schema Languages for Modeling Geographic Information, Final Report to the Federal Geographic Data Committee, Standards Working Group*, University Consortium for Geographic Information Science, Research Contract #97-5040-02182.

Rugg, R. D., M. J. Egenhofer, and J. E. Dobson. 1997. *Initial Evaluation of EXPRESS as a Conceptual Schema Language for Geographic Information Standards, Report Number 2 to the Federal Geographic Data Committee, Standards Working Group*, University Consortium for Geographic Information Science, Research Contract #97-5040-02182.

Rugg, R. D., M. J. Egenhofer, and J. E. Dobson. 1997. *Requirements for Modeling Geographic Information, Report Number 1 to the Federal Geographic Data Committee, Standards Working Group*, University Consortium for Geographic Information Science, Research Contract #97-5040-02182.

Dobson, J. E., E. A. Bright, P. R. Coleman, and R. C. Durfee. 1987. *Geographic Analysis and Remote Sensing Support to the National Marine Fisheries Service*, 54 pp. plus appendix.

Durfee, R. C., S. M. Margle, L. E. Till, E. P. Tinnel, and J. E. Dobson. 1987. *Development and Application of Geographic Information Systems Technology for the U. S. Air Force*.

Dobson, J. E. and Richard C. Durfee. 1985. *Options for Acquiring, Disseminating, and Processing Environmental, Resource, and Planning Information for the United States Air Force*.

Wilson, D.L., David S. Joy, Jerome E. Dobson, Paul E. Johnson, et al. 1984. *A Spatial Analysis of Factors Involved in the Transportation of Nuclear Fuels*, .

Dobson, J. E. and R.C. Durfee. 1984. *Atlas of Selected Resources for Emergency Management*.

Knight, C. Gregory, Jerome E. Dobson, and Jacob S. Sandikie. 1983. "Background Paper on Energy Use and Supply Potential in the Agricultural and Forestry Sectors in Liberia," Report to the Agency for International Development and to the Government of Liberia.

SELECTED GRANTS AND CONTRACTS

Foreign Military Studies Office, Department of Defense, Ft. Leavenworth, KS, "Bowman Expedition to the Antilles," J. E. Dobson, P. I., 6/01/2006-05/31/2007, \$256,000 (renewable for two additional years).

Foreign Military Studies Office, Department of Defense, Ft. Leavenworth, KS, "Mexican Open Source Geographic Information Systems (GIS) Project," J. E. Dobson, P. I., P. H. Herlihy, Co-P. I., 6/01/2005-05/31/2006, \$ 432,322 (renewable for one additional year)

Foreign Military Studies Office, Ft. Leavenworth, KS, Department of Defense, "Geographic Analysis of Land Tenure in Mexico," J. E. Dobson, P. I., P. H. Herlihy,, Co-P. I., 3/16/2005-12/15/2005, \$96,264.

Geneva International Centre for Humanitarian Demining, "Geographic and Cartographic Assistance for Humanitarian Demining," J. E. Dobson, P. I, S. L. Egbert, Co-P. I., 1/15/04-12/31/06, \$350,000 (currently being renewed with additional funding for CY 2007).

Zilkha Renewable Energy, LLC, "Kansas Windpower Project," J. E. Dobson, P. I., 12/18/2002-1/31/2003, \$16,727.

Department of Defense, Defense Threat Reduction Agency, Oak Ridge National Laboratory, LandScan Demographics, LLC. "Casualty Estimation," J. E. Dobson, S. Campbell (LandScan Demographics, LLC.), P.I.s, R. W. Peplies (East Tennessee Statue U.), Co-P. I., 2/1/02-8/8/02, \$16,750, Funded; 9/1/02-10/04/03, \$76,298.

Environmental Protection Agency, STAR Grant, "Watershed Classification System for Tiered

Diagnosis of Biological Impairments: A Scalable, Central Plains Focus with National Applicability,” E. Martinko, P. I., F. deNoyelles, J. H. Thorp, D. Huggins, J. E. Dobson, J. Whistler, M. Jakubauskas, P. Liechti, K. Price, Co-P.I.s, 10/1/02-9/30/05, \$1,149,266.

North Atlantic Treaty Organization (NATO), Oak Ridge National Laboratory, LandScan Demographics, LLC. “Support to Operation Able Ally,” J. E. Dobson, S. Campbell (LandScan Demographics, LLC.), P.I., J. J. Feddema, Co-P. I., 9/1/02-8/30/03, \$60,000.

National Science Foundation, Grant ATM-0107404: “Development of surface based anthropogenic climate change scenarios for CCSM,” J. J. Feddema, P. I., J. E. Dobson, Co-P.I., 1/15/01-1/14/02, \$35,640.

Department of Defense, Defense Threat Reduction Agency, Oak Ridge National Laboratory, “Casualty Estimation,” J. E. Dobson, P.I., R. W. Peplies (East Tennessee State U.), Co-P.I., 2/1/02-8/8/02, \$16,750.

Department of Defense, “LandScan Global Population Project,” J. E. Dobson, P.I., E. A. Bright, P. R. Coleman, Co-P.I.s., 10/01/97-8/17/01, \$2,120,000.

Department of Energy, Hazardous Materials Transportation, Defense Programs, “LandScanUSA: Houston Prototype,” J. E. Dobson, P.I., E. A. Bright, P. R. Coleman, Co-P.I.s, 1/30/01-8/17/01, \$70,000.

Environmental Protection Agency, National Center for Environmental Assessment, “LandScanUSA,” J. E. Dobson, B. L. Bhaduri, P.I.s, E. A. Bright, P. R. Coleman, Co-P.I.s, 1/01-8/17/01, \$120,000.

Environmental Protection Agency, “STEP Linkage System,” J. E. Dobson, M. Sale, P.I.s, Y. Cheng, S. Bao, Co-P.I.s, 1/1/98-12/31/98, \$250,000.

National Science Foundation, “National Center for Environmental Decision-Making Research,” M. Russell, R. Turner, P.I.s., J. E. Dobson, B. Tonn, V. Dale, S. Estep, Co-P.I.s, 10/1/96-9/30/97, \$1,000,000.

SUMMARY OF GRANTS AND CONTRACTS 1975- 1997

For 26 years, I worked at a national laboratory where all research is dependent on grants and contracts. As a group leader and project leader I served as P.I. or Co-P.I. on federally funded projects

covering myself and two to ten colleagues per year. My responsibility was to design and promote new research initiatives and to lead ongoing projects. Throughout that time, I was one of two principal staff members responsible for financial support of groups ranging from 10 to 40 people. At current FTE rates, my career total prior to 1997 thus amounts to a conservative estimate of more than **\$20,000,000 in projects** funded by:

- Department of Energy
- Nuclear Regulatory Commission
- Department of Defense
- Department of State
- National Oceanic and Atmospheric Administration
- National Science Foundation
- Environmental Protection Agency
- Department of Interior
- Water Resources Council
- Other federal agencies.

SELECTED PRESENTATIONS

“But, What About All Those Little Brothers? Geofencing In the Land of the Free.” GIS Day. University of Kansas, Lawrence, KS, November 15, 2006.

“Bowman Expeditions,” Regional Meeting of the Great Plains, Rocky Mountain, and West Lakes Divisions of the Association of American Geographers, Lincoln, NE, October 7, 2006

Keynote address, “Echoes of a Silent Revolution,” Minnesota GIS/LIS Conference, St. Cloud, Minnesota, October 5, 2006.

“A Proposed New World Standard for Humanitarian Demining Map Symbols” (with J. C. Kostelnick, S. L. Egbert, M. D. Dunbar, and A. Arnold), ESRI Users Conference, San Diego, California, August 9, 2006.

“Mexico’s New Land Reform: Bringing GIS to Indigenous People,” (with P. H. Herlihy) . Annual Meeting, Association of American Geographers, Chicago, IL, March 10, 2006.

“Orwell’s Wolf Is Back: Tracking Kids, Dogs, Old People, and Everyone In Between.”
Symposium Organizer; “Human Tracking: Framing the National Debate,” Speaker (with P. F. Fisher), Annual Meeting of the American Association for the Advancement of Science, St. Louis, MO, February 19, 2006.

“KU Geographers Tackle Landmines,” New Generation Society, Lawrence, KS, February 8, 2006.

“Using GoogleEarth,” Endacott Society, Lawrence, KS, January 25, 2006.

Invited Campuswide Lecture, “Human Tracking and Geoslavery,” Minnesota State University, Mankato, Minnesota, December 9, 2005.

“Geoslavery or Cyber-Liberation: Freedom and Privacy in the Information Age,” Bridges to the Future Symposium, University of Denver, September 14, 2005.

Seven Lectures on the Geography of Alaska, American Geographical Society’s Educational Travel Program on Cruise West’s *Spirit of Oceanus*, August 1-25, 2005.

“Past President’s Commentary: What’s the Future of UCGIS?” University Consortium for Geographic Information Science, Jackson, WY, June 30, 2005.

“Breakthroughs in GIS,” Endacott Society, Lawrence, KS, March 10, 2005

“Social Implications of Human Tracking,” Annual Meeting, Association of American Geographers, Denver, CO, March 9, 2005.

“GIS: Silently Changing Society,” GIS Day. University of Kansas, Lawrence, KS, November 17, 2004.

“A New Call and Cause for Settlement Geography” Annual Meeting, Association of American Geographers, Philadelphia, PA, March 14-19, 2004.

“The Priceless Message of a \$1,000,000 Globe,” Dinner Address, Annual Meeting of the Lawrence Technology Association, Lawrence, KS, February 5, 2004.

“Ten Things You Didn’t Know About Geography,” Dinner Address, Rotary Club, Lawrence, KS, February 2, 2004.

“Kansas Rural GIS Initiative,” Presentation to Sub-Cabinet on Natural Resources, Topeka, KS, December 4, 2003.

“The American Geographical Society: Geography’s Advocate for 152 Years,” Colloquium Lecture, Department of Geography, University of Kansas, Lawrence, KS, November 21, 2003.

“GIS, Warfare, and Society,” and “The American Geographical Society,” Colloquium Lectures, University of West Virginia, Morgantown, WV, October 31, 2003.

“Geographic Information Science: Reprising Geography’s Role in International Affairs,” Geography in International Affairs Conference, The George Washington University, Washington, DC, October 24, 2003.

“GIS in War and Peace,” Great Plains/Rocky Mountains Regional Meeting of the Association of American Geographers, Manhattan, KS, October 4, 2003.

“Report on the American Geographical Society,” Committee on Geography, National Science Foundation, Washington, DC, April 25, 2003.

“The Geographic Revolution in Science and Society” Colloquium Lecture, University of Missouri at Kansas City, April 17, 2003.

“A Special Program About Geographic Information Systems (GIS),” Invited Lecture, Dean’s Club Brunch, University of Kansas, Lawrence, KS, April 4, 2003.

“GIS Trends and Directions,” Invited Lecture, Haskell Indian Nations University, Lawrence, KS, March 26, 2003.

“An Interdisciplinary Discourse on Iodine in Evolution,” Colloquium Lecture, Department of Ecology and Evolutionary Biology, University of Kansas, Lawrence, KS, March 13, 2003.

“Geoslavery: A New Ethical Dilemma for GIScience,” Annual Meeting, Association of American Geographers, New Orleans, LA, March 7, 2003.

“Geography’s Spatial Language,” Course Lecture, SPLH 660 (Speech Class), University of Kansas, February 27, 2003.

“GIS in War and Peace,” Colloquium Lecture, University of Southern Maine, Portsmouth, ME, February 10, 2003.

Master of Ceremonies and Keynote Speaker, **Globe-Signing Ceremony** Honoring **Junko Tabei** (First Woman to Climb Mt. Everest), **Ann Bancroft** (First Woman to Reach the North Pole by Dogsled, 1986, and the South Pole on Skis, 1993), **Liv Arneson** (With Bancroft, One of the First Women to Ski Across Antarctica, 2001), and **Capt. William Anderson** (Commander of the *Nautilus*, First Vessel To Cross the North Pole by Water, 1958), May 25, 2004.

Master of Ceremonies and Keynote Speaker, **Globe-Signing Ceremony** Honoring **Bryan Allen** (Pilot of the Gossimer Albatross, First Human-Powered Aircraft to Cross the English Channel, 1979), **Sylvia Earle** (Deepest Unassisted Ocean Dive, 1979), and **Edith Ronne** (First Woman to Winter Over in Antarctica, 1947), March 31, 2004.

“War is God’s Way of Teaching Geography,” Invited Colloquium Lecture, Texas A & M University, College Station, TX, October 25, 2002.

Keynote Address, “GIS Since 9/11,” **Mid-America GIS Conference**, Kansas City, April 16, 2002.

“The Iodine Imperative,” **American Association of Physical Anthropologists**, Buffalo, NY, April 11, 2002.

“GIS in Homeland Security,” **GIS Policy Board**, State of Kansas, Topeka, KS, 2002, March 8, 2002.

“GIS in the War on Terror,” **Congressional Breakfast** (Hosted by University Consortium for Geographic Information Science), February 7, 2002.

“Geoslavery,” **Association of American Geographers Annual Meeting**, Los Angeles, CA, March 19-22, 2002.

“Estimating Populations at Risk,” **Homeland Security Vulnerability Analysis Summit**, Environmental Systems Research Institute (ESRI), Redlands, CA, January 22-23, 2002.

"LandScanUSA: A High Resolution Population Distribution Modeling Project," **Centers for Disease Control**, Atlanta, GA, October 19, 2001.

"AGS Exploration: A Century on the Frontiers," **Maps and Milestones: a Sesquicentennial Symposium on the American Geographical Society, 1851-2001**, AGS Library, Golda Meir Library, University of Wisconsin-Milwaukee, Milwaukee, Wisconsin, May 18, 2001.

Master of Ceremonies, **Globe-Signing Ceremony Honoring Neil Armstrong** (First Person on the Moon), **Don Walsh** (Deepest Ocean Dive), **Bertrand Piccard and Brian Jones** (First to Circumnavigate Earth by Balloon), **Bill Ryan** (Discover of Mediterranean Sea Inundation and Co-Discoverer of Black Sea Inundation), and **Walter Pittman** (Co-Discoverer of Black Sea Inundation), New York City, December 11, 2000.

Keynote Address, "Geographic Exploration of Digital Earth," **International Symposium on Digital Earth**, Beijing China, December 2, 1999.

"Large-Area Land Cover Change Analysis," CoastGIS '95: **International Symposium on GIS for Coastal Zone Mapping**, University College Cork, Cork, Ireland, February 1995.

"Coastal Change Analysis," **Bordomer 95: Coastal Change Conference**, Bordeaux, France, February 1995.

Featured Presentation, Bilateral Conference on Carrying Capacity and Environmental Impact Assessment, Bratislava, Slovakia, April 1995.

"Earth and Space Applications of GIS," **International Space University**, Kitakyushu, Japan 1992; Huntsville, Alabama 1993; Barcelona, Spain 1994; Stockholm, Sweden 1995.

"ThÜnen in the Digital Information Age," **Keynote Address**, North American Chapter of the ThÜnen Society, Annual Meeting, Washington, D. C., 1993.

"The Geographic Revolution in Science," **Oak Ridge National Laboratory**, Showcase Presentation, 1993.

Various topics on geography and GIS, Colloquia Lectures at Numerous Universities, including:

University of South Carolina
University College Cork
University of Wyoming
University of Utah
Appalachian State University
Ohio State University
University of Alaska

“GIS in Regional Planning,” Lecture Series, Appalachian Regional Commission, 1991.

“Advancing the Analytical Strength of GIS,” **Opening Address**, Third Annual **Geographic Information Systems Conference** at Towson State University, 1990.

“GIS in Science and Society,” **Visitors Seminar Series**, University of Hawaii, 1990.

“Automated Geography,” **Robinson-Wagner Lecture, University of Wisconsin**, 1988.

Numerous presentations (approximately 25) at the Annual Meetings of the Association of American Geographers, c. 1975-current.

Numerous presentations (approximately 6) at the Applied Geography Conferences, c. 1985-91.

“Computational Strengths of GIS,” Defense and Government Computer-Graphics Conference, c. 1987.

“Automated Geography: Status and Prospects,” International Conference on the Role of Geography in a Post Industrial Society, Vechta, Federal Republic of Germany, 1986.

Keynote Address, Management Series, Intergraph Users' Conference, Huntsville, Alabama, May 1988.

Presentations (approximately 2) at Natural Hazards Workshops.

“Geographic Analysis of Water Resources,” American Water Resources Association, c. 1982.

“The Geography of Emergency Response,” National Association for Search and Rescue., c. 1982.

AAAS Conference on Rural America: Energy Needs and Alternatives, c. 1982.

“Geographic Analysis of Land and Water Resources,” National Conference of State Legislatures, c. 1980.

“Geographic Analysis of Energy Resources,” National Conference on Energy and the Environment, American Institute of Chemical Engineers, c. 1979.

PROFESSIONAL WORKSHOPS

Organizer and Speaker, “Cartographic Symbolization of Landmines, Minefields, and Mine Actions,” (with J. C. Kostelnick), Workshop, American Geographical Society, New York, NY, June 7, 2005 and Washington, DC, November 7, 2005.

Invited Participant, National Land Cover Change Modeling Workshop, United States Geological Survey, Pingree Park, CO, September 19-21, 2005.

United States Representative to Workshop on Criteria, Conflicts, Uncertainty, and Institutions in Regional Water Management, International Institute for Applied Systems Analysis, Laxenburg, Austria, October 1980.

World's Fair International Energy Symposia, Knoxville, Tennessee, October 1980 and November 1981.

Battelle Seminars Program, Principles of Management, March 1979.

Association of American Geographers, Workshop on Digital Processing of Landsat Data, Columbia University, April 1976.

National Science Foundation and Association of American Geographers, Short Course in Remote Sensing (5 weeks), University of Denver, 1971.

ORGANIZATIONAL MEMBERSHIP

American Association for the Advancement of Science

Association of American Geographers.

American Congress on Surveying and Mapping.

American Society for Photogrammetry and Remote Sensing.

American Geographical Society.

National Geographic Society.

Royal Geographic Society.

Sigma Xi.

AWARDS

Special Achievement in GIS Award, 26th ESRI Users Conference, 2006 (Awarded to the Geneva International Centre for Humanitarian Demining, for Work Involving FGM Corporation and KU)

Applied Geography Conference Citation Award.

Award for Excellence in Scholarly/Professional Articles, ("Forest Blowdown and Lake Acidification," *Annals of the Association of American Geographers*) Society for Technical Communication, February 1991.

FOREIGN TRAVEL AND FIELDWORK

For geographers, the earth is our laboratory. Travel is essential. I regard every trip (foreign or

domestic, business or personal), as a serious opportunity to study unfamiliar territory. My goal is to have studied every sector of the globe by the time I retire. So far, I've visited the following foreign areas:

Mexico, Fieldwork: Huasteca Region, 2005; Oaxaca Region, 2006.

Italy, 2006, Personal.

Bering Sea and Coast of Russia, 2005 Lecturer.

China, South Korea, and Japan, 2003, Fieldwork

Croatia, Bosnia and Herzegovina, and Slovenia, 2003, Fieldwork

Jordan and Kuwait, 2003, Fieldwork

Colombia and Ecuador, 2002, Fieldwork

Slovenia, 2001, Discuss European Union De-Mining Project for Balkans

Kenya and Eritrea, 2001, Fieldwork.

United Kingdom, 2000, U. K. Ministry of Defense

Germany, 2000, Geoscope Workshop

Chile, 2000, International Space University

Egypt, 1999, Fieldwork

China, 1999, International Symposium on Digital Earth.

China, 1998, International Standards Organization Technical Committee on Geographic Information/Geomatics.

United Kingdom, 1998, International Standards Organization Technical Committee on Geographic Information/Geomatics.

Norway, 1998, International Standards Organization Technical Committee on Geographic Information/Geomatics.

United Kingdom, 1997, International Standards Organization Technical Committee on Geographic Information/Geomatics.

Ireland and France, 1995, Conferences.

Central Europe, 1995, Conference.

Sweden, 1995, International Space University.

Spain, 1994, International Space University.

Japan and Australia, 1992, International Space University and Fieldwork.

Europe (including Czechoslovakia), Fall 1991, Conference.

Europe (including Czechoslovakia), Spring 1991, Conference.

Europe, 1987, Fieldwork.

Europe, 1986, Conference.

Europe, 1985, Personal.

Liberia, 1982, Assist in Developing National Energy Plan.

Europe, 1980, Conference.

Europe, 1968, Personal.