

CURRICULUM VITAE

James E. Meacham
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EDUCATION

M.A., Geography, University of Oregon, Eugene, 1992.
B.S., Geography with honors, University of Oregon, 1984.

CERTIFICATION

ASPRS Certified Mapping Scientist, GIS/LIS (GS 151), 1998.

RESEARCH and TEACHING INTERESTS

- Map and Atlas Design and Production Research.
- Geographic Information Systems (GIS) Planning and Management applications.
- GIS/Cartography applications in Archaeology.
- Cartographic Design and Production Instruction.

APPOINTMENTS

2004 – present: Senior Research Associate, Administrative and Research Director, InfoGraphics Lab, Department of Geography, University of Oregon.
1997 - 2004: Research Associate, Administrative and Research Director, InfoGraphics Lab, Department of Geography, University of Oregon.
1992 - 1997: Research Assistant, Lab Manager, InfoGraphics Lab, UO Department of Geography.
1988 - 1992: Graduate Teaching Fellow, Managed Lab, InfoGraphics Lab, UO Department of Geography.
1986 - 1988: Cartographer, Oregon Department of Transportation.
1985 – 1986: Parks Planner, Oregon State Parks.
1984: Hydrology Research Intern, Willamette National Forest.

COURSES TAUGHT

Advanced Cartography, GEOG 411/511
Introduction to Geographic Information Systems, GEOG 416/516
Advanced Geographic Information Systems, GEOG 476/576

FIELD EXPERIENCE

Cartographer/Field Geographer, Joint Mongolian-American-Russian Altai Expedition, northwest Mongolia, 2006, 2004, and 1997 field seasons.
Engineering Aide, Oregon Parks and Recreation Department, 1985.
Survey Aide, Bureau of Land Management, Burns, OR, 1984 field season.

PROFESSIONAL SERVICE

American Society of Photogrammetry and Remote Sensing (ASPRS)
Past President, 2007 President, 2006 Vice President, 2005, Columbia River Region.
North American Cartographic Information Society (NACIS), member since 1989.
Past President, 2002-03, President, 2001-02, Vice President, 2000-01.
Program Chair, NACIS XXI Annual Meeting, Portland, 2001.

Board of Directors, 1997-99.

Cartographic Perspectives Journal, Cartographic Techniques Editor, 1997-2000.

UO GIS Advisory Committee, Co-Chair: 2004-05, Chair: 1998-2004 (Founding member since 1992).

UO Safety Advisory Committee (member 2001-2002).

Oregon Geographic Names Board (member).

Oregon Department of Transportation GIS Leadership Advisory Group (outside member).

Oregon Geographic Information Council, (OUS Representative).

MEMBERSHIPS

American Society of Photogrammetry and Remote Sensing (ASPRS)

Association of American Geographers (AAG)

AAG Cartography and GIS Specialty Groups.

North American Cartographic Information Society

Cartography and Geographic Information Society

AWARDS AND HONORS

2006, American Society of Photogrammetry and Remote Sensing "Region of the Year" for the Columbia River Region as Regional President.

2006, American Society of Landscape Architectures and the Council of Educators in Landscape Architecture Faculty Advisor "Award of Excellence in Research".

2003, International Cartographic Association, "Award for Excellence in Cartography", 21st International Cartographic Conference, Durban, South Africa. (*Atlas of Oregon, CD-ROM*, with Erik Steiner)

2003, American Congress on Surveying and Mapping (ACSM), "Best in Show" and "Best of Category: Book and Atlas Division" (*Atlas of Oregon, CD-ROM*, with Erik Steiner).

2002, Officer of Administration Recognition Award, University of Oregon.

2002, American Congress on Surveying and Mapping (ACSM), "Best in Show" and "Best of Category: Book and Atlas Division" (*Atlas of Oregon, 2nd Edition*, with W. Loy, S. Allan, and A. Buckley).

2002, Benjamin Franklin Award, Category: Education/Teaching/Academic. Publishers Marketing Association. " (*Atlas of Oregon, 2nd Edition*, with William Loy, Stuart Allan, and Aileen Buckley).

2001 Northwest ESRI Users Conference, Sun Valley, ID. First Prize - Poster Presentation: *Oregon Department of Transportation County GIS Mapping Pilot Project: Wasco County*, (with Mike Engelmann and Eugene Carpentier).

1999, Environmental Systems Research Institute (ESRI) International Users Conference Awards: "Best of Show" and "Best Software Integration". *Mapping the University of Oregon Campus: Integration of GIS, Map Publishing, Facilities Mapping, and Architectural Design*, (with Andrea Ball).

PUBLICATIONS

Books, Digital Atlases, and Chapters

Jacobson-Tepfer, Esther and James E. Meacham. Gary Tepfer (Photographer), (in progress), *Cultural Atlas of the Ancient Mongolian Altai*.

Marcus, Andrew, James E. Meacham, Ann Rodman (editors), (in progress), *Atlas of Yellowstone*. University of Oregon Press, Eugene.

Jacobson-Tepfer, E., with the collaboration of V. Kubarev, D. Tseveendorj, G. Tepfer, and J. Meacham. *The Rock Art Complex of the Upper Tsagaan Gol*, Répertoire des Pétroglyphes d'Asie centrale, 2 vols. Paris: De Boccard. 2006.

Hardwick, Susan W., and James E. Meacham, (forthcoming) 'Placing' the Refugee Diaspora to Portland, Oregon: Suburban Expansion and Densification in a Re-Emerging Gateway Chapter in Audrey Singer, Caroline Brettell and Susan Hardwick, eds., *Suburban Immigrant Gateways: Immigration and Incorporation in New U.S. Metropolitan Destinations*. Brookings Institution Press.

Lobben, Kathleen Amy, and James E. Meacham, (forthcoming) "Cartographic Textbooks in the Twentieth Century (working title)." Chapter in Mark Monmonier, editor, *The History of Cartography Volume Six: Cartography in the Twentieth Century*. The University of Chicago Press.

Oregon Watershed Enhancement Board, *The Oregon Plan for Salmon and Watersheds, 2001-2003 and 2003-2005 Biennial Report*, 2003 and 2005. (Cartography and GIS Director, with Ken Kato, Project Manager) State of Oregon, Salem.

Meacham, James E. and Erik B. Steiner (editors), *Atlas of Oregon, CD-ROM Version*, Eugene: University of Oregon Press, 2002.

Loy, William G., Stuart Allan, Aileen R. Buckley and James E. Meacham, *Atlas of Oregon. Second Edition*, Eugene: University of Oregon Press, 2001.

E. Jacobson and J. Meacham. 2001. "Methodological Considerations." Chapter in , *Répertoire des pétroglyphes d'Asie Centrale. Mongolie du Nord-Ouest: Tsagaan Salaa/Baga Oigor*. Mémoires de la Mission Archéologique Française en Asie Centrale. E. Jacobson, V. D. Kubarev, D. Tseveendorj. Paris, 2001.

Kato, Kenneth, Blake Andrew and James E. Meacham (Principle Investigator). *The Oregon Rural Lands Database*. [36-CDROM set with manual]. Oregon Department of Conservation and Development, Salem and University of Oregon, Eugene, 2001.

Meacham, James E. "Web-based Atlas of Lane County, Oregon," 1999, Department of Geography, University of Oregon, [on-line] <http://geography.uoregon.edu/infographics/lcweb/lcindex.htm>.

Loy, William, G., Michael Holcomb, James E. Meacham, Gary Searl, *ExplOregon: A Geographic Tour of Oregon*, [CD-ROM], 1995, University of Oregon, Eugene.

May, Mande, George Beltran, and James E. Meacham (Cartographer), *University of Oregon Atlas of Trees*, 1996, University of Oregon Books, Eugene, 126 pp.

Meacham, James E., *The Technological Transition to Electronic Map Publication*, 1992, Unpublished Master's Thesis, Department of Geography, University of Oregon.

Meacham, James E. (Director), *Atlas of Lane County, Oregon*, 1990, Lane County, Eugene. 78 pp.

Articles/Reviews

Marcus, W. Andrew, James E. Meacham, Ann Rodman, and Alethea Steingisser, "Atlas of Yellowstone – Preliminary Work", *Visual Fields, Cartographic Perspectives*, Number 57, Spring 2007, pp. 86-87.

Hardwick, Susan W., J. E. Meacham, "Heterolocalism, Networks of Ethnicity, and Refugee Communities in the Pacific Northwest: The Portland Story", *Professional Geographer*, 57(4) 2005, pp. 539-557.

Meacham, James E. and Stuart Allan, "State Atlas Design", *Cartographic Perspectives*, Number 44, Winter 2003, pp. 44-52.

Buckley, Aileen R., James E. Meacham, and Erik B. Steiner, 2003.. "Creating a State Atlas as an Integrated set of Resources: Book, CD-ROM and Website", *ICC Proceedings*, Durban, South Africa

Meacham, James E., "Rediscovering Cartography" Cartographic Perspectives, Number 40, Fall 2001.

Meacham, James E., and Andrea Ball, "UO Campus Mapping Program: Integrating CAD, GIS, and Map Publishing" Cartographic Perspectives, with, Number 34, Fall 1999.

Meacham, James E., "University Cartography Labs", note, "The State of Academic Cartography" Brewer and McMaster, (editors), 1999 U.S. National Report to the International Cartographic Association. Cartography and Geographic Information Science, Vol. 26, No. 3, July 1999.

Jacobson, Esther and James E. Meacham, "When Stones Speak: Mapping and Mongolian Surface Archaeology," with, GeoInfo Systems, February 1998, pp. 15-22.

Meacham, James E., (Book Review) *Atlas of Oregon Wildlife: Distribution, Habitat, and Natural History*, Csuti, Blair, et. al., 1998 Cartographic Perspectives, Number 29, Winter 1998.

Meacham, James E., "Automated Large-format Geological Map Production," Cartographic Perspectives, Number 20, Winter 1995.

Jacobson, Esther, James E. Meacham and David Cutting, "Applying GIS to the Archaeology of the Altay Mountains," 1994, GeoInfo Systems, March 1994, pp. 32-45.

Meacham, James E., "Using GNIS at the Oregon Department of Transportation," (with others) 1988, American Congress on Surveying and Mapping Technical Papers, (ACSM-ASPRS Fall Convention). Washington:ACSM, pp. 4-12.

Selected Maps/Map Series

Meacham, James E. and John Davenport, *Official Oregon State Highway Map*, 1990-2002, Oregon Department of Transportation.

Meacham, James E., (Cartographic Editor), University of Oregon Map Series: *Parking and Transportation, Accessing the Campus, Emergency Call Boxes, and Bicycle Guide Map*. University of Oregon Department of Public Safety, 1993-2002.

Meacham, James E., David Cutting, and Nancy Leeper (Cartographers), "Geology and Mineral Resources Map of the Elbow Quadrangle, Malheur County, Oregon," 1992, Oregon Department of Geology and Mineral Industries, GMS-62, Geological Map Series.

Meacham, James E., *Columbia County Map Series*, Oregon Department of Transportation, 1987.

Selected Professional Papers and Reports

Erik R. Strandhagen, W. Andrew Marcus and James E. Meacham, 2006, "Views of the Rivers: Visualizing Temporal Detail in Multi-Decadal Records of Regulated and Non-Regulated Streamflows." 37th International Binghamton Geomorphology Symposium on the Human Role in Changing Fluvial Systems, Columbia, SC.

Meacham, James E., Alethea Y. Steingisser, W. Andrew Marcus, and Ann Rodman, 2006, "From Glaciers to Geysers: The Creation of the Atlas of Yellowstone" Presentation, 26th Annual Meeting of the North American Cartographic Information Society, Madison, Wisconsin.

Meacham, James E. and Esther Jacobson-Tepfer, Cartographic and Geographic Visualization Techniques in the Study of Prehistory in the Mongolian Altai Mountains. 2005, Association of American Geographers 101th Annual Meeting Abstract Volume. Washington.

Jacobson-Tepfer, Esther and James E. Meacham. Mapping as an Analytical Tool in the Study of Mongolian Altai Prehistory. 2005. Society for American Archaeology 70th Annual Meeting, Salt Lake City, UT.

Meacham, James E. and Nick Kohler. Using Remote Sensing, GIS, and GPS technologies in the Study of Prehistory in the Mongolian Altai Mountains. ASPRS-Columbia River Region and ASPRS-Puget Sound Region Technical Information Exchange. 2004 Vancouver, Washington.

Meacham, James E. and Kato, Kenneth, "Cartographic Expression." (invited presentation) 2004, GIS-in-Action Conference. ASPRS and Urban and Regional Information Systems Association (URISA), Portland, Oregon.

Kato, Kenneth, and James E. Meacham "Using Atlas Techniques to Present the Oregon Salmon Recovery Effort." 2003, Association of American Geographers 99th Annual Meeting Abstract Volume. Washington.

Theodoropoulos, Christine, and Meacham, James E., et. al, "Using Rapid Screening Methods and GIS Models to Identify Seismic Hazards and Risk on a University Campus" 2001. Poster presentation at the 2001 Earthquake Engineering Research Institute Annual Meeting, "Dealing with Issues of Acceptable Risk," Monterey, California.

Meacham, James E., "Atlas of Oregon 2001: Atlas Design and Production" (Invited Paper), 2000 Northwest ESRI Conference, Skamania, WA.

Engelmann, Michael, Eugene Carpentier and James E. Meacham (Principle Investigator), *Oregon Department of Transportation County GIS Mapping Pilot Project: Wasco County*, Report to ODOT and Oregon Transportation Framework Committee, June 2001.

Meacham, James E., "Cartography and Qualitative Research Methodology for Mongolian Altay Rock Art Study." 20th Annual Meeting of the North American Cartographic Information Society Program, Knoxville, TN, 2000.

Meacham, James E., and Esther Jacobson, "Understanding the Past in the Mongolian Altay: Prehistory and Geographic Analysis and Visualization", 2000, Association of American Geographers 96th Annual Meeting Abstract Volume. Washington: 481.

Kato, Kenneth, and James E. Meacham, "Cartography/GIS Serves Regional Land Use Planning and the Public Participation Process; Clatsop Plains, Oregon," 2000, Association of American Geographers 96th Annual Meeting Abstract Volume. Washington: 372.

Meacham, James E., "*Lane County Atlas*: Publication and Web Delivery of GIS Database", 1999, Presentation, Association of American Geographers 95th Annual Meeting Abstracts. Washington.

Meacham, James E., "*1999 Atlas of Lane County, Oregon*: A Student Created Project for Print and Web Publication.", 1998, Poster Presentation, Eighteenth Annual Meeting of the North American Cartographic Information Society, Milwaukee, Wisconsin.

Meacham, James E., "Mapping the Ancient Altay, northwest Mongolia", 1998, Association of American Geographers 94th Annual Meeting Abstracts. Washington.

Meacham, James E., "The UO InfoGraphics Lab Experiment: An organic approach to cartographic research facility development ", 1997, Presentation, Seventeenth Annual Meeting of the North American Cartographic Information Society, Lexington, Kentucky.

Meacham, James E., "ExplOregon: A Multimedia Product for Geographic Instruction," 1996, Association of American Geographers 92nd Annual Meeting Abstracts. Washington:1996.

Meacham, James E., "Mapping the Campus", 1996, Presentation, Sixteenth Annual Meeting of the North American Cartographic Information Society, San Antonio, Texas.

Meacham, James E., "Using MicroStation to Solve Large-Format Map Publication Problems", 1995, Association of American Geographers 91st Annual Meeting Abstracts. Washington:205.

Meacham, James E., "Modernizing the *Official Highway Map of Oregon*," 1993, American Congress on Surveying and Mapping Technical Papers. Washington:ACSM, pp. 302-13.

Meacham, James E., "The Electronic Publication of the *Official Highway Map of Oregon*," 1993, Association of American Geographers 89th Annual Meeting Abstracts. Washington:160.

Meacham, James E., "Geographic Names Information System Application in State Highway Map Production," 1992, Association of American Geographers 88th Annual Meeting Abstracts. Washington:158.

Meacham, James E., "The Development of an Automated County Base Mapping Procedure at the Oregon Department of Transportation," 1989, Proceedings of the Oregon Academy of Science.

SELECTED GRANTS/CONTRACTS

2007 National Endowment for the Humanities Reference Material Grants, 2007 – 2009, Project Title: "Archaeology and the Landscape in Mongolia's High Altai: Inventory and Documentation" \$315,000, (with Esther Jacobson-Tepfer, PI).

1993-2007, Oregon Department of Transportation, grant for research work on the Restructure and Redesign of City Transportation Maps, and GIS Framework Development, \$24,750, \$49,500, \$100,000, \$98,000, \$169,670, \$185,000, \$185,000 and \$300,000.

2004, "Oregon North Coast ESU Salmon Recovery Plan 2004 Report Development", Oregon Watershed Enhancement Board. \$65,000.

2002, "Oregon Salmon Recovery Plan 2002 Report Development", Oregon Watershed Enhancement Board. \$56,475.

2002 –2004, Refugee and Immigration Nodes and Networks in Western Oregon" the National Science Foundation, (with Susan Hardwick, PI)

2002, *Atlas of Oregon, Second Edition* CD-ROM Project, University of Oregon Press. (with William G. Loy and Aileen R. Buckley) \$125,000.

2002-03, "Visualizing, Analyzing and Exploring Our Environment Using Digital files from the Atlas of Oregon" (with Aileen R. Buckley, Susan Hardwick, and Cathleen Leue) \$25,000.

2001, Oregon Department of Transportation, research work on the development of Transportation GIS Framework Data for Wasco County, Oregon. \$24,000

1999 – 2001, *Atlas of Oregon, Second Edition* Project, University of Oregon Foundation. (with William G. Loy, Stuart Allan, and Aileen R. Buckley) \$250,000.

1999-2001, Oregon DLCD: Development of a Rural Lands Database, \$140,000.

1993-01, Jacobson, Esther, UO Department, Center for Asian and Pacific Studies, Applying GIS to the Archaeology of the Altay Mountains, \$33,400.

1999, Department of Land Conservation and Development: Preliminary Assessment of the Feasibility and Costs to Establish a Rural Lands Database, \$10,000.

1999, Oregon Department of Transportation, research on GIS Web site development, \$24,000.

1998-99, McKenzie River Watershed Council, GIS Analysis and Mapping Support.

1998-99, Department of Land Conservation and Development: Regional Problem Solving: Clatsop County, Clatsop Plains GIS Map Development, \$17,000 and \$10,000.

1998, Coquille Indian Tribe, GIS and Aerial Photo Mapping Project.

1998, Oregon Governor's Task Force on Growth/ECONorthwest, Final Report Mapping, \$5,000.

1998, Oregon Department of Parks and Recreation/State Historical Preservation Office, Standard Site Form and State Cultural Resource GIS Database Implementation Plan, \$21,000.

1997, American Association of Geographers, Otto Geppert Fund General Research Grant, *Altay Mapping Project*, \$1,000.

1997-98, Oregon Department of Forestry, GIS Fire Protection Mapping research, \$7,000.

1995, Connolly, Thomas J., State Museum of Anthropology, University of Oregon, "Documenting the Mosier Mounds Feature Complex, Wasco County, Oregon." \$ 6,600.

1993-94, Oregon Parks and Recreation Department, grant for "Sumpter Valley Placer Mining Interpretive Route: Site Inventory and Mapping," \$2,875.

1992, State of Oregon Department of Geology and Mineral Industries, Automated Large-format Geological Map Production Development, \$5,500.

1991, American Association of Geographers Cartography Specialty Group Master's Research Grant.

1991-1992, Oregon Department of Transportation, grant for continued research work on the *Official Oregon State Highway Map*, \$14,684.

1989-1991, Oregon Department of Transportation, grant for the research and development of digital maps for production of the *Official Oregon State Highway Map*, \$34,053.

PROVIDED MAPPING/GIS RESEARCH SUPPORT

Ayres, William S., 1993, "Nan Madol Archaeological Fieldwork: Final Report." Pohpei, Federated States of Micronesia, 107 pp.

Connolly, T., M. Tveskov, 1995, "Documenting the Mosier Mounds Feature Complex, Wasco County, Oregon." State Museum of Anthropology, University of Oregon, Report 95-7.

Connolly, Thomas J., Mark A. Tveskov, Howard A. Gard, and David Cutting, n.d. "Mapping the Mosier Mounds: The Significance of Rock Feature Complexes on the Southern Columbia Plateau." Journal of Archaeological Science.

Jacobson, Esther, D. Tseveendorj, and Vladimar D. Kubarev, 1995, "Report on the Archaeological and Art Historical Research in Bayan- Ölgii Aimay, Mongolia." University of Oregon.

Jacobson, Esther, D. Tseveendorj, and Vladimar D. Kubarev, 1994, "Report on the Archaeological and Art Historical Research in Bayan-Ölgii and Uvs Aimays, Mongolia." University of Oregon.

OTHER RELATED EXPERIENCE AND WORKSHOPS

Utilization / Integration of LIDAR for Mapping and GIS" ASPRS Workshop.

20th Annual Northwest GIS Users Conference, Sunriver, OR, 2005. (Facilitated and audited)

ESRI Workshop: Image Processing for the GIS Analyst. 25th Annual ESRI User Conference, San Diego, CA, 2004.

ESRI Courses (Olympia, WA): Introduction to Arc/Info, Spring 1994, and Advanced Arc/Info, Winter 1995, Advanced ArcView, Fall 1998 and ArcGIS, Winter 2001.

GIS INTERN, US Geological Survey, Water Resources Division, Fall 1988. Worked on a ground water project using ESRI Arc/Info Geographic Information System.

INTERGRAPH TRAINING, Huntsville, Alabama, 1987. Coursework in WMS and Map Feature Coding.

September 2007