

James W. Jordan
Curriculum Vitae

AFFILIATION

Core Faculty and Professor, Department of Environmental Studies
Antioch University New England
40 Avon St.
Keene, NH 03431
jjordan@antioch.edu

Research Affiliate, University of Alaska Museum of the North
University of Alaska Fairbanks
907 Yukon Dr.
Fairbanks, AK 99701

EDUCATION

University of Wisconsin-Madison, Ph.D., Geography. (2000)
Dissertation: *Late Quaternary coastal paleogeography and human occupation of the western Alaska Peninsula*. Minor in Soil Science
University of Alaska-Fairbanks, MA, Quaternary Studies. (1990)
Thesis: *Late Holocene development of barrier islands in the southern Chukchi Sea, Alaska*.
University of Missouri-Columbia, BA, Anthropology/ Archaeology. (1980)
Undergraduate emphasis in Geology.

RESEARCH INTERESTS

Geomorphology, earth systems and climate change, paleoecology
Coastal geology, sea-level change, coastal zone management
Archaeology, soils, human-environment interactions

INSTITUTIONAL SERVICE

President, Antioch University New England Faculty Senate (2014-2016)
Vice President, Antioch University New England Faculty Senate (2013-2014)
Director of Field Studies (2012 – present)
Interim Director, Doctoral Program (2012)
Associate Chair for Academic Affairs (2006-2011)
Director of Field Studies, Director of Master's Program (2004-2007)
Faculty Senator (2004-2006)

EXTERNAL SERVICE

Proposal reviewer, NSF Arctic Social Sciences, Arctic System Science programs
Proposal reviewer, Alaska Sea Grant Program (2012 – present)
Reviewer at large - Northeastern Geographer, Alaska Journal of Anthropology
Board of Trustees, Windmill Hill Pinnacle Association (2012 – present)

GRANTS AND AWARDS

- Cooperative Ecosystem Studies Unit / National Park Service, Alaska. Principal Investigator. Post-volcanic Landscape Change and Human Response in the Chignik and Meshik Rivers Region, Alaska. 2010-2012.

- Cooperative Ecosystem Studies Unit / National Park Service, Alaska. Principal Investigator. Human and Environmental Dynamics at Cape Krusenstern, Alaska. 2007-2010.
- National Science Foundation. Co-Principal Investigator, BE/CNH 0508101. Complex Ecosystem Interactions over Multiple Spatial and Temporal Scales: the Biocomplexity of Sanak Island. 2005-2009.
- National Park Foundation. Principal Investigator. Short and Long-term Coastal Erosion and Evolution in Parks of the ARCN. 2006-2007.
- National Science Foundation. Co-Principal Investigator, ARCSS-0326584. Investigating Complex Human-Ecological Relationships Over Multidimensional Scales: the Sanak Islands Project. 2004-2005.
- National Park Service, Alaska. Principal Investigator, Brooks River Erosion Assessment, Katmai National Park, AK, 2002-2004.
- National Science Foundation. Co-Principal Investigator, OPP-99 96415. Landscape and environment in the organization of Aleut society, 1999-2002.
- U.S. Environmental Protection Agency. STAR Graduate Research Fellowship in Environmental Science, 1996-1999.
- Arctic Institute of North America Grant-in-Aid. Ph.D. Dissertation research, 1995.
- National Park Service Alaska Region. Geoarcheological Assessment of KTZ-145, Bering Land Bridge National Monument, 1994.
- National Park Service Alaska Region, Shared Beringian Heritage Program. Coastal Process Studies, Northern Seward Peninsula. With O.K. Mason, 1993-1995.
- Otto W. Geist Fund, University of Alaska Museum. Barrier island depositional and erosional processes. With O.K. Mason, 1988.
- Otto W. Geist Fund, University of Alaska Museum. Erosion at coastal-zone archaeological sites, northwest Seward Peninsula. With O.K. Mason, 1987.
- Otto W. Geist Fund, University of Alaska Museum. Deflation Processes in Dune Blowouts and Beach Ridge Stratigraphy in the Cape Espenberg area. With O. K. Mason, 1988.

TEACHING EXPERIENCE

Antioch University New England, Keene, NH

Fall 1999 – present, Environmental Studies Department.

Courses taught: ESC 5720 (Earth Systems and Climate Change); ES 7030 (Global Environmental Change); ESS 5370 (Geomorphology); ESS 5460 (Soils Mapping and Interpretation); ESS 5740 (Watershed Science); ESF 5480 (Natural and Human Landscapes of Alaska); ESF 5390 (Coastal Geoecology, Cape Cod); ESF 5770 (Geology and Ecosystems of the Pacific Northwest); ESF 5350 (Tropical Ecology and Conservation, Costa Rica); ESS 7740 (Dissertation Proposal Seminar); ES 7760 (Dissertation Seminar)

Keene State College, Keene, NH

Spring 1999 Geography 204, Introduction to Physical Geography

University of Wisconsin-Madison

10/97 Anthropology 366, Arctic Archaeology, guest lecturer

10/96 Geography 120, Global Physical Environments, guest lecturer

10/96 Geography 527, The Quaternary Period, guest lecturer

4/96 Geography 120, Global Physical Environments, guest lecturer

5/95 Geography 329, Landforms and Landscapes of North America, guest lecturer

10/93 Geography 329, Landforms and Landscapes of North America, guest lecturer

PUBLICATIONS

Chapters, articles, reports

- Jordan, J.W., 2015. Post volcanic landscape change and human response in the Chignik and Meshik Rivers region, Alaska. Report of geomorphological investigations in 2010-11-12. Cooperative Ecosystem Studies Unit / National Park Service.
- Jordan, J.W., 2012. Physical Environment. In *Sanak Island, Alaska: A Natural and Cultural History*. Edited by Katherine Reedy-Maschner and Herbert D. G. Maschner. Pocatello: Idaho Museum of Natural History.
- Jordan, J.W., 2009. Arctic climate and landscape ca. AD 800-1400. In: H.D.G. Maschner, O. Mason, and R. McGhee, eds., *The northern world AD 900-1400: The dynamics of climate, economy, and politics in hemispheric perspective*. University of Utah Press, Salt Lake City.
- Jordan, J.W., 2004. Segmentation of the U.S. Chukchi Sea coastline. Arctic Coastal Dynamics, Report of the 4th International Workshop, Oslo. Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, p. 31.
- Jordan, J.W., 2003. Coastal processes in the southeast Chukchi Sea, Alaska: Landscape history and the future. Arctic Coastal Dynamics, Report of the 3rd International Workshop, Oslo. Alfred Wegener Institute for Polar and Marine Research, Bremerhaven, pp. 45-46.
- Jordan, J.W. and Krumhardt, A., 2003. Postglacial climate and vegetation history of the western Alaska Peninsula. *Alaska Journal of Anthropology*, **1** (2): 16-33.
- Jordan, J.W., 2001. Late Quaternary sea-level change in southern Beringia: postglacial emergence of the western Alaska Peninsula. *Quaternary Science Reviews* **20** (1-3):509-523
- Jordan, J.W., and H.D.G. Maschner, 2000. Coastal paleogeography and human occupation of the western Alaska Peninsula. *Geoarchaeology* **15**:1-30.
- Jordan, J.W., and O.K. Mason, 1999. A 5000 year record of intertidal peat stratigraphy and sea-level change from northwest Alaska. *Quaternary International* **60**:37-47
- Jordan, J.W., 1989. Rhythmic berm ridge deposition on the coastal barriers of northern Seward Peninsula, Alaska. In: *Coastal Sediment Mobility; Proceedings of the Eighth Symposium on Coastal Sedimentology*, W.F. Tanner ed., Department of Geology, Florida State University, Tallahassee. pp.137-150.
- Jordan, J.W., 1988. Post - Thule adaptations in Northwest Alaska: continuity and change during the late prehistoric period around Kotzebue Sound. *Journal of Northern Sciences*, Vol. 2. University of Alaska Museum, Fairbanks.
- Jordan, J.W., 1987. Erosion characteristics and retreat rates along the north coast of Seward Peninsula. Chapter 7, In: *Bering Land Bridge National Preserve: an Archeological Survey*, J. Schaaf ed., National Park Service, Alaska Region, Anchorage.
- Jordan, J.W., and O.K. Mason, 1987. Site formation and destruction processes, northern Seward Peninsula. Final report submitted to the Otto W. Geist Fund, University of Alaska Museum, Fairbanks.
- Anderson, S. (1), **Jordan, J.** (2), and Freeburg, A. (3), 2018. Human Settlement and Mid-Late Holocene Coastal Environmental Change at Cape Krusenstern, Northwest Alaska. *Quaternary International*. <https://doi.org/10.1016/j.quaint.2018.10.028>. Available in print January 2019.
- Farquharson, L.M., D.H. Mann, D.K. Swanson, B.M. Jones, R.M. Buzard, and **J.W. Jordan**, 2018. Temporal and spatial variability in coastline response to declining sea-ice in northwest Alaska. *Marine Geology*. 404 (2018) 71-83.
- L. Barton, S. Shirar, and **J.W. Jordan**, (2018). Holocene human occupation of the central Alaska Peninsula. *Radiocarbon*, 2018 p. 1-16. DOI:10.1017/RDC.2018.2
- Barton, L., Shirar, S., and **J.W. Jordan** (2017) The Central Alaska Peninsula Radiocarbon Dataset. Comparative Archaeology Database, University of Pittsburgh. URL: <http://www.cadb.pitt.edu>

- Shirar, S., Barton, **Jordan, J.W.**, and Rasic, J., 2011. Archaeological survey: Chignik-Meshik Rivers region field report. Unpublished manuscript, University of Alaska Museum of the North.
- Misarti, N., Finney, B.P., **Jordan, J.W.**, Maschner, H.D.G., Addison, J.A., Shapley, M.D., Krumhardt, A., and Beget, J.E., 2012. Early retreat of the Alaska Peninsula Glacier Complex and the implications for coastal migrations of First Americans. *Quaternary Science Reviews*, **48**: 1-6.
- Manley, W.F., Mason, O.K., **Jordan, J.W.**, Lestak, L.R., Sanzone, D.M., and Parrish, E.G., 2010. Coastal change since 1950 in the southeast Chukchi Sea, Alaska, based on GIS and Field Measurements.
- Maschner, H., M. Betts, J. Cornell, J. Dunne, B. Finney, N. Huntly, **J. Jordan**, A. King, N. Misarti, K. Reedy-Maschner, R. Russell, A. Tews, S. Wood, and B. Benson, 2009. An introduction to the biocomplexity of Sanak Island, Western Gulf of Alaska. *Pacific Science*, **63**(4): 673-710.
- Maschner, H.D.G., Finney, B., **Jordan, J.W.**, Tews, A., Misarti, and G. Knudsen, G., 2009. Did the North Pacific ecosystem collapse in AD 1000? In: H.D.G. Maschner, O. Mason, and R. McGhee, eds., *The northern world AD 900-1400: The dynamics of climate, economy, and politics in hemispheric perspective*. University of Utah Press, Salt Lake City.
- Laser, M., **J.W. Jordan**, and K. Nislow, 2009. Riparian forest and instream large wood characteristics, West Branch Sheepscot River, Maine USA. *Forest Ecology and Management*, 257 (7):1558-1565.
- Maschner, H.D.G., and **J.W. Jordan**, 2008. Catastrophic events and punctuated culture change: The southern Bering Sea and North Pacific in a dynamic global system. In: D. Papagianni, R. Layton, and H. Maschner, eds., *Time and Change: Archaeological and Anthropological Perspectives on the Long Term*, Oxbow, Oxford, United Kingdom.
- Maschner, H.D.G., and **J.W. Jordan**, 2001. The Russell Creek manifestation of the Arctic Small Tool Tradition on the Western Alaska Peninsula. In: D. Dumond ed., *Archaeology in the Aleut Zone of Alaska*. University of Oregon Anthropological Papers No. 58, Eugene.
- Mason, O.K. and **J.W. Jordan**, 2001. Minimal late Holocene sea level rise in the Chukchi Sea: Arctic insensitivity to global change? *Global and Planetary Change*, **32**:13-23.
- Mason, O.K., **J.W. Jordan**, and L. Plug, 1995. Late Holocene storm and sea level history in the southern Chukchi Sea. In: C.W. Finkle ed., *Holocene Cycles: Climate, Sea Level, and Sedimentation*. *Journal of Coastal Research, Special Issue No. 17*.
- Mason, O.K. and **J.W. Jordan**, 1993. Heightened storminess and synchronous truncation of northwest Alaska beach ridges. *Quaternary Research*, **40**:55-69.
- Mason, O.K. and **J.W. Jordan**, 1992. A proxy late Holocene climate record deduced from NW Alaska beach ridges. In: *Proceedings, International Conference on the Role of the Polar Regions in Global Change*. Vol. II, p. 649-657. Geophysical Institute, Fairbanks.
- Mason O.K. and **J.W. Jordan**, 1989. Late Holocene evolution of the north coast of Seward Peninsula, Alaska. In: *Coastal Sediment Mobility; Proceedings of the Eighth Symposium on Coastal Sedimentology*, W.F. Tanner ed., Department of Geology, Florida State University, Tallahassee. pp.123-136.
- Stanford, D.J., **J.W. Jordan**, M.A. Jodry, and E.J. Dixon, 1990. Archaeological reconnaissance in the Great Kobuk Sand Dunes, northwest Alaska. *Current Research in the Pleistocene*, Vol. 7. Center for the Study of Early Man, Orono, ME.
- Gerlach, S.C., A.F. Steffian, **J.W. Jordan**, and D.M. Vinson, 1990. Over-the-Horizon Radar Environmental Studies: Archaeological Investigations at TNX-033. *University of Alaska Museum Occasional Papers No. 1*. University of Alaska, Fairbanks.
- Sattler, R.A., and **J.W. Jordan**, 1985. Archaeological reconnaissance of Manley and Hutlinana Hot Springs, lower Tanana River, central interior Alaska. Final Report submitted to the Otto W. Geist Fund, University of Alaska Museum, Fairbanks.
- Reynolds, G.L., and **J.W. Jordan**, 1983. Archaeological reconnaissance of the Yukon-Charley Rivers National Preserve. *Resources Management Report AR-3*, National Park Service, Alaska Region.

Abstracts and presentations

- Jordan, J.W., Baron, L.W., Shirar, S., and Rasic, J., 2013. The Wildman Lake – Ocean River archaeological district: A new record of human adaptation to long-term endemic volcanism and environmental change on the central Alaska Peninsula. Paper presented at the 40th Alaska Anthropological Association Meeting. Anchorage, AK.
- Jordan, J.W., Maschner, H.D.G., Misarti, N., and Finney, B., 2013. Changing environments and long-term occupation of the Eastern Aleutian Arc: the view from Sanak Island. Paper presented at the 78th Annual Meeting of the Society for American Archaeology. Honolulu, HI.
- Jordan, J.W., Maschner, H.D.G., Finney, B.P., and Betts, M., 2008. Long-Term Human- Environment Interaction in the North Pacific: Multiple Proxies from Sanak Island and the Western Alaska Peninsula. Paper presented at the 73rd Annual Meeting of the Society for American Archaeology, Vancouver, British Columbia.
- Jordan, J.W., Finney, B.P., and Maschner, H.D.G., 2007. Geomorphic history of the Sanak Islands: Implications for ecosystem change and human settlement. Society for American Archaeology, 72nd Annual Meeting, Austin. (poster presentation)
- Jordan, J.W., Manley, W.F., Sanzone, D.M., Mason, O.K., and Booth, M.S. 2007. Field-based assessment of coastal erosion in parks of the ARC/N, 1987-2006. National Park Service, State of the Parks Meeting, Fairbanks, 2007.
- Jordan, J.W., Finney, B.P., Misarti, N., Odorczuk, D., and Maschner, H.D.G., 2005. Paleoeology of the Sanak archipelago. 70th Annual Meeting, Society for American Archaeology, Salt Lake City. (poster presentation)
- Jordan, J.W. 2005. Late Quaternary geomorphic history of the Sanak Islands, Alaska. Alaska Anthropological Society, 32nd Annual Meeting, Anchorage.
- Jordan, J.W. 2004. A change in the weather: Arctic climate and landscape circa AD 900-1400. Society for American Archaeology 69th Annual Meeting, Montreal.
- Jordan, J.W. 2003. Holocene Ecosystem Dynamics and Paleoeology of the Western Alaska Peninsula, Society for American Archaeology 68th Annual Meeting, Milwaukee.
- Jordan, J.W. 2003. Coastal response to late Holocene climate and sea level change in northwest Alaska. Geological Society of America Annual Meeting, Seattle.
- Jordan, J.W. 2002. Beyond Adamagan: Late Holocene landscape change in regional context. 10th Arctic Archaeology Workshop, Pocatello.
- Jordan, J.W., 2002. Of sand and tsunamis on the shores of Sanak: Preliminary results of 2002 fieldwork. 10th Arctic Archaeology Workshop, Pocatello.
- Jordan, J.W. 2002. End of an era: Landscape change and the abandonment of Adamagan. Alaska Anthropological Association, 29th Annual Meeting, Anchorage.
- Jordan, J.W. 2002. Climate and landscape change in the Port Moller Region. Alaska Anthropological Association, 29th Annual Meeting, Anchorage.
- Jordan, J.W. 2001. Palynology and geomorphology of the Adamagan landscape. Alaska Anthropological Association, 28th Annual Meeting, Fairbanks.
- Jordan, J.W. 2001. Dynamic environmental change and human occupation of the eastern Aleutian region. Invited lecture, Quaternary Research Center, University of Washington, Seattle.
- Jordan, J.W., and B. Lambert, 1999. Coastal erosion in the southeast Chukchi Sea: results from monitoring and aerial photography. Arctic Coastal Dynamics Workshop, Woods Hole, MA.
- Jordan, J.W., 1998. Variability and geoarchaeological implications of postglacial sea level records from Beringia. American Quaternary Association, 15th Biennial Meeting, Puerto Vallarta, Mexico.
- Jordan, J.W., 1998. Coastal paleogeography and human occupation of the lower Alaska Peninsula. Alaska Anthropological Association, 25th Annual Meeting, Anchorage.
- Jordan, J.W., 1997. Post-glacial sea level changes in southern Beringia: New data from the lower Alaska Peninsula. International Geological Correlation Program, Project 367, Annual Meeting, Girdwood / Anchorage.

- Jordan, J.W., 1995. Climatic and morphologic relationships of northwest Alaska coastlines. American Association of Geographers, 91st Annual Meeting, Chicago.
- Jordan, J.W., 1992. Late Holocene occupation of a transgressive barrier island complex, Kotzebue Sound, Alaska. Society for American Archaeology, 57th Annual Meeting, Pittsburgh.
- Barton, L., Shirar, S., Rasic, J., and **Jordan, J.W.**, 2013. Human settlement of the central Alaska Peninsula: an index of landscape ecology and volcanism. Paper presented at the 40th Alaska Anthropological Association Meeting. Anchorage, AK.
- Barton, L., **Jordan, J.W.**, Shirar, S., and Rasic, J., 2011. A History of Human Land Use on the Central Alaskan Peninsula. Paper presented at the 38th Alaska Anthropological Association Meeting. Anchorage, AK.
- Coffman, S., Barton, L., Shirar, S., and **Jordan, J.**, 2015. Recent excavations at two Ocean Bay sites in Katmai National Park and Preserve, Alaska. Paper presented at the 42nd Alaska Annual Association Meeting. Anchorage, AK.
- Dochat, T, and **Jordan, J.W.** 1996. Late Quaternary geomorphology and stratigraphy of the Cold Bay region of the Alaska Peninsula. American Quaternary Association, 14th Biennial Meeting, Flagstaff, AZ.
- Mason, O.K. and **Jordan, J.W.**, 1994. Eustatic sea level changes in northwest Alaska during the last 3000 years. Abstracts with Programs, Geological Society of America Annual Meeting, Seattle. p. 309.
- Mason, O.K., **Jordan, J.W.**, and Anderson, S., 2016. The Giddings' legacy of beach ridge archaeology in Alaska: a proxy of late Holocene climate. Paper presented at the 81st Meeting of the Society for American Archaeology. Orlando, FL.
- Shirar, S., Barton, L., and **Jordan, J.W.**, 2015. Volcanism, environmental change, and human settlement: Patterns of human occupation on the Alaska Peninsula. Poster presented at the National Park Service Science for Parks Annual Meeting, San Francisco.

PROFESSIONAL EXPERIENCE

1/15 to present, Research Affiliate

University of Alaska Museum of the North

5/01 to present, Consulting Geoarchaeologist

Hartgen Archeological Associates, Putney, VT

9/91 to 6/01, Research Associate

Alaska Quaternary Center, University of Alaska Museum, Fairbanks, AK.

5/97 to 9/01, Co-Principal Investigator, Lower Alaska Peninsula Project.

Idaho State University, Pocatello

1/94 - 5/96, Project Assistant

State Cartographer's Office, Madison, WI

1/92 - 6/93, Consultant

Archaeological Consulting and Services, Verona, WI.

7-9/91, Field Investigator, Archaeological Impacts of Exxon Valdez Oil Spill, AK

State University of New York, Binghamton

12/90 - 5/91. Cartographer, Projet Frugivores, Rwanda, Africa

University of Wisconsin, Madison

2-3/91, Archaeologist, Emergence of the Iron Age Project, Uganda, Africa

California State University, San Bernardino

6/87 - 5/90, Principal Investigator, Coastal Geomorphology, Bering Land Bridge National Preserve

Alaska Quaternary Center, University of Alaska Museum, Fairbanks.

1-8/90, Research Associate, Co-principal Investigator, Over-the-Horizon Backscatter EIS, AK

U. of Alaska Museum, Arctic Environmental Information and Data Center

10/89, Geoarchaeologist, Great Sand Dunes National Monument, CO

Smithsonian Institution, Washington, D.C.

8/89 - 2/90, Co-principal Investigator, Geoarchaeology of Great Kobuk Sand Dunes
Smithsonian Institution, U. of Alaska Museum, and National Park Service, Alaska Region

6-8/88, Principal Investigator, Coastal Geomorphology of Cape Krusenstern National Monument, AK
National Park Service, Alaska Region

6-8/87, Geoarchaeologist, Cape Krusenstern National Monument
National Park Service, Alaska Region.

6-9/86, Geoarchaeologist, Bering Land Bridge National Preserve
National Park Service, Alaska Region

10/85 - 4/86, Illustrator/Graphic Artist
Alaska Native Language Center, University of Alaska, Fairbanks

10/82 - 6/85, Museum Technician
University of Alaska Museum, Fairbanks, AK

5-9/82, Field Supervisor, Yukon-Charley Rivers National Preserve
National Park Service, Alaska Region

8/82, Consultant
Cooperative Park Studies Unit, University of Alaska, Fairbanks

6-9/81, Field Investigator, Susitna Hydroelectric Project, Alaska
University of Alaska Museum, Fairbanks

9-11/80, Research Associate, FLUR Gas Line Project, South Dakota
University of South Dakota, Vermillion

6-8/80, Field Investigator, FLUR Gas Line Project, Alaska
University of Alaska, Fairbanks

5-9/79, Field Investigator, Paloma Arid Lands Project, Peru.
University of Missouri, Columbia

MEMBERSHIPS

Alaska Anthropological Association
American Geophysical Union
American Quaternary Association
Arctic Institute of North America
Association for Environmental Studies and Sciences
Geological Society of America
Society for American Archaeology
US Permafrost Association