

CURRICULUM VITAE

March 2011

Patricia L. Fall

Professor

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Professional Appointments

Arizona State University, Professor, School of Geographical Sciences & Urban Planning, 2007-Present

Arizona State University, Affiliate Professor, School of Human Evolution and Social Change, 2006-Present

Cyprus American Archaeological Research Institute, Nicosia, Cyprus, Visiting Scholar, 2004

Arizona State University, Director, Laboratory of Palynology and Paleoecology, Schools of Geographical Sciences and Human Evolution and Social Change, 2000-Present

Australian National University, Research Fellow, Research School of Pacific and Asian Studies, Canberra, 1998.

La Trobe University, Research Fellow, Archaeology Department, Melbourne, 1997.

Arizona State University, Associate Professor, School of Geographical Sciences, 1997-2007

Arizona State University, Assistant Professor, Department of Geography, 1989-97.

New York University, Adjunct Professor, Department of Anthropology, 1988-89.

University of Alaska, Research Anthropologist, Department of Anthropology, 1981-83.

Education

University of Arizona, Ph.D., Geosciences, 1988.

University of Arizona, M.S., Geosciences, 1981.

Prescott College, B.A., Anthropology, minor: Ecology 1975.

Research & Teaching

Research -- Human impact on ancient and modern environments, Paleoecology of tropical Pacific Islands and the Mediterranean Basin, Paleoenvironments during the rise and collapse of urban societies, Quaternary environments, Climatic controls on the distribution of terrestrial plants, Human-environment interactions, Pollen and seed dispersal

Teaching -- Physical Geography, Biogeography, Quaternary Landscapes, Paleoecology, Palynology, Human Impacts, Regional Geography of the Middle East and Oceania, Research Methods, Remote Sensing, Landscape Change

SPONSORED RESEARCH (PI or CO/PI) pending funding

NATIONAL SCIENCE FOUNDATION: proposed period August 2011-July 2014 (co-PI with Janet Franklin); \$292,479. Collaborative Proposal: Long-Term Dynamics and Resilience of Terrestrial Plant and Animal Communities in the Bahamas.

COUNCIL OF AMERICAN OVERSEAS RESEARCH CENTERS FELLOWSHIP: proposed period October 2011-November 2011; \$5750. Long-term Formation of the Mediterranean Landscapes of Cyprus.

AMERICAN CENTER OF ORIENTAL RESEARCH (ACOR)-COUNCIL OF AMERICAN OVERSEAS RESEARCH CENTERS FELLOWSHIP: proposed period January-May 2012; \$29,400. Long-term Formation of Natural and Human Landscapes in the Middle East.

NATIONAL ENDOWMENT FOR THE HUMANITIES (NEH) FELLOWSHIP: proposed period January-May 2012; \$20,400. Long-term Formation of Natural and Human Landscapes in the Middle East.

SPONSORED RESEARCH (PI or CO/PI) current funding

NATIONAL SCIENCE FOUNDATION: NEW AWARD 2010; (period June 2010-June 2013); \$197,127; (PI with Steve Falconer, SHESC). Bronze Age Village Life and Landscape Dynamics at Politiko-*Troullia*, Cyprus.

HARVARD UNIVERSITY, SHELBY WHITE – LEON LEVY PROGRAM FOR ARCHAEOLOGICAL PUBLICATIONS, awarded 2008; (period: June 2008-June 2011); CO/PI; \$90,000; (with S.E. Falconer); (funding to support three years of faculty and graduate student research, and publication of the volume *Bronze Age Village Life during Urban Collapse: Multidisciplinary Investigations at Tell Abu en-Ni'aj, Jordan*).

SPONSORED RESEARCH (PI or CO/PI) completed grants

NATIONAL SCIENCE FOUNDATION; awarded 2005; (period: 2005-10); CO/PI; \$1,500,000 (with C.M. Barton and S.E. Falconer [Human Evolution and Social Change], R. Arrowsmith [Earth and Space Exploration], and H. Sarjoughian [Computation and Infomatics]); (Long-term socioecological dynamics in the Mediterranean Basin: a natural laboratory for the interaction of social and natural systems).

NATIONAL SCIENCE FOUNDATION; awarded 2006; (period: 2006-2009); CO/PI; \$80,000 (with S.E. Falconer, School of Human Evolution and Social Change, ASU), (Bronze Age rural ecology on Cyprus).

NATIONAL GEOGRAPHIC SOCIETY; awarded 2005; (period: 2005-2008); PI; \$25,000 (with S.E. Falconer), (Ancient rural ecology and landscape formation on Cyprus).

SHELBY WHITE – LEON LEVY PROGRAM FOR ARCHAEOLOGICAL PUBLICATIONS, HARVARD UNIVERSITY; awarded 2005; (period: 2005-2006); CO/PI; \$28,500; (with S.E. Falconer); (Bronze Age rural ecology and village structure at Tell el-Hayyat, Jordan).

SHELBY WHITE – LEON LEVY PROGRAM FOR ARCHAEOLOGICAL PUBLICATIONS, HARVARD UNIVERSITY; awarded 2004; (period: 2004-2005); CO/PI; \$26,000; (with S.E. Falconer); (Bronze Age rural ecology and village structure at Tell el-Hayyat, Jordan).

SHELBY WHITE – LEON LEVY PROGRAM FOR ARCHAEOLOGICAL PUBLICATIONS, HARVARD UNIVERSITY; awarded 2003; (period: 2003-2004); CO/PI; \$24,000; (with S.E. Falconer) Bronze Age rural ecology and village structure at Tell el-Hayyat, Jordan).

AUSTRALIAN INSTITUTE OF NUCLEAR SCIENCE AND ENGINEERING; awarded 2002; (period: 2002-2003); CO/PI; \$14,000; (with P. Edwards [La Trobe University, Melbourne] and S.E. Falconer [ASU]); (Dating the Archaeology and Environment of the Dead Sea Plain).

NATIONAL SCIENCE FOUNDATION; awarded 1999; (period: 2000-2003); CO/PI; \$179,000; (with S.E. Falconer); (Rural Responses to Early Urbanism: Village Economy and Ecology in the Jordan Valley).

NATIONAL GEOGRAPHIC SOCIETY; awarded 2000; (period: 2000-2002); PI; \$24,900; (Paleoenvironments of the Dead Sea Plain, Jordan).

WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH; awarded 2000; (period: 2000-2001); CO/PI; \$12,000; (with S.E. Falconer); (Archaeology and Paleoenvironments of the Dead Sea Plain, Jordan).

AUSTRALIAN RESEARCH COUNCIL; awarded 1999; (period: 1999-2002); CO/PI; \$112,500; (with P. Edwards [La Trobe University, Melbourne] and S.E. Falconer [ASU]); (Archaeology and Paleoenvironments of the Dead Sea Plain).

NATIONAL SCIENCE FOUNDATION; awarded 1996; (period: 1996-1999); CO/PI; \$60,000; (with S.E. Falconer); (Rural Responses to Early Urbanism: Village Economy and Ecology in the Jordan Valley).

NATIONAL GEOGRAPHIC SOCIETY; awarded 1997; (period: 1997-1999); PI; \$20,040; (Vegetation History of Tonga, Western Polynesia).

NATIONAL GEOGRAPHIC SOCIETY; awarded 1996; (period: 1996-1997); CO/PI; \$22,000; (with S.E. Falconer); (Rural Life during Urban Collapse at Tell Abu en-Ni`aj, Jordan).

WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH; awarded 1996; (period: 1996-1997); CO/PI; \$15,000 (with S.E. Falconer); (Rural Life during Urban Collapse at Tell Abu en Ni`aj, Jordan).

NATIONAL ENDOWMENT FOR THE HUMANITIES; awarded 1992; (period: 1992-1994); CO/PI; \$50,000; (with S.E. Falconer); (Bronze Age Village Structure and Rural Ecology in the Jordan Valley).

AMERICAN MINING AND EXPLORATION RESEARCH GRANT; awarded 1980; (period: 1980-1983); PI; \$15,000; (with V. Markgraf); (Palynological Investigations in the central Colorado Rocky Mountains).

SPONSORED RESEARCH (Collaborative Grants)

NATIONAL SCIENCE FOUNDATION; awarded 2006; (collaborative with 6 others; PI D. Abbott, CO/PI K. Spielmann, Human Evolution and Social Change); \$210,751; (Alliance and Landscape: Perry Mesa, Arizona in the Fourteenth Century).

NATIONAL SCIENCE FOUNDATION; awarded 2000; (period: 2000-2005); Senior Personnel; \$2,500,000; (PIs Fisher, Graf, Grimm, Hackett and Redman; Large collaborative grant; I am one of approximately 25 Senior Personnel); Integrative Graduate Education and Research Training in Urban Ecology (IGERT).

NATIONAL SCIENCE FOUNDATION; awarded 1998; (period: 1998-2003); Senior Scientist; \$990,000; (PIs Charles Redman, Nancy Grimm and others; Collaborative with approximately 20 other senior scientists/faculty); Central Arizona Project (CAP) Long-term Ecological Research (LTER), Phoenix; one of two urban LTER sites in the United States.

CONTRACT RESEARCH

UNIVERSITY OF DELAWARE; awarded 2007; (period 2007-2008); PI; \$18,500; (Pollen analysis of the Read House Archaeological Project, New Castle, Delaware).

HOWARD UNIVERSITY; awarded 2003; (period: 2003-2005); PI; \$20,000; (Pollen analysis of the African-American Burial Ground, Wall Street, New York City, NY).

INTERNAL GRANTS & AWARDS -- ASU

Multi-Investigator Proposal Development Grant, College of Liberal Arts and Sciences; awarded 2004; PI; \$20,000; (with S.E. Falconer), (The Rise of Civilization in the Eastern Mediterranean: A New ASU Collaborative Research Project on Cyprus); this development grant led to external funding from National Geographic in 2005 (\$25,000) and NSF in 2006 (\$80,000).

Multi-Investigator Proposal Development Grant, College of Liberal Arts and Sciences; awarded 2001; CO/PI; \$15,000 (with C.M. Barton, S.E. Falconer, and G.A. Clark [School of Human Evolution and Social Change]), (Long-term dynamics of anthroecosystems in the Mediterranean Basin: a natural laboratory for the human role in biocomplexity); this collaboration resulted in external funding of \$1,500,000 in 2004 from the National Science Foundation Biocomplexity Program.

International Travel Grant, College of Liberal Arts and Sciences; awarded 2001; PI; \$1000; Vegetation History of Samoa (international travel to develop new research into dispersal ecology of tropical rainforests on Samoa).

Mini-Grant, College of Liberal Arts & Sciences; awarded 2000; PI; \$2000; Vegetation history of Tonga, Western Polynesia (travel to the Smithsonian Institution Herbarium to collect floral specimens for a pollen reference collection).

Mini-Grant, College of Liberal Arts & Sciences; awarded 1999; PI; \$1000; Timing of Human Impact on the Vegetation of Tonga, Polynesia (support for ^{14}C age determinations).

Mini-Grant, College of Liberal Arts & Sciences; awarded 1996; PI; \$1000; Timing of Human Impact on the Vegetation of Palau, Micronesia (support for laboratory analyses and ^{14}C age determinations).

Faculty Grant-in-Aid, College of Liberal Arts & Sciences; awarded 1994; PI; \$6000; Human Impact on the Vegetation of Palau, Micronesia (field research on human impacts in Palau).

Faculty Grant-in-Aid, College of Liberal Arts & Sciences; awarded 1991; PI; \$5420; A Paleobotanical Analysis of Rural Ecology in Ancient Canaan (support for graduate student assistance to analyze botanical specimens from Jordan).

Arizona State University, Research Conference Grant; awarded 1990; PI; \$2500; (with Katherine Spielmann, Anthropology); Research Trajectories in Ethnobiology (to support a national research conference at ASU).

FELLOWSHIPS AND AWARDS

W. F. ALBRIGHT FELLOWSHIP; awarded 1988; (period: 1988-1989); \$5000; Deforestation in Southern Jordan: Evidence from Fossil Hyrax Middens.

AMERICAN ALPINE CLUB AWARD; awarded 1986; \$300; Holocene Dynamics of the Subalpine Forest in Colorado.

CRANWELL SMITH AWARD, University of Arizona; awarded 1986; \$750; Late Quaternary Vegetation Dynamics in the Central Colorado Rocky Mountains.

STANDARD OIL COMPANY OF CALIFORNIA OF CALIFORNIA AWARD;
awarded 1986; \$600; Research on Past Vegetation and Climate of the Southern
Rocky Mountains.

AMERICAN ALPINE CLUB AWARD; awarded 1985; \$300; Late-glacial
Environments of the Wind River Range, Wyoming.

ENDOWMENT FOR BIBLICAL RESEARCH FELLOWSHIP; awarded 1985; \$1000;
Plant Domestication at Tell elHayyat, Jordan.

CRANWELL SMITH AWARD, University of Arizona; awarded 1985; \$750; Late
Quaternary Vegetation Dynamics in the Central Colorado Rocky Mountains.

STANDARD OIL COMPANY OF CALIFORNIA AWARD; awarded 1985; \$600; Field
Research on Past Vegetation and Climate of the Southern Rocky Mountains.

PUBLICATIONS

Books (*peer-reviewed)

*Falconer, S. E. and **P.L. Fall** (2007) *Bronze Age Rural Ecology and Village Life at
Tell el-Hayyat, Jordan*. British Archaeological Reports, International Series 1586,
Oxford (ISBN 1 84171 799 1), 218 printed pages, 178 figures, 37 tables and 3,205
pages of appendices on CD.

*Jacobs, B. F., **P. L. Fall**, and O. K. Davis (1985) (Editors). *Late Quaternary
Vegetation and Climate of the American Southwest*. American Association of
Stratigraphic Palynologists, Contribution Series No. 16, 185 pp.

Fall, P. L., P. C. Magers and J. A. McDonald. (1981) *The Canyon del Muerto Survey
Project: Anasazi and Navajo Archeology in Northeastern Arizona*. National Park
Service, Western Archaeological Center, Publication in Anthropology, No. 15.
Tucson, 365 pp.

Articles under review (*peer-reviewed) (current or former graduate students underlined)

Falconer, S.E., **P.L. Fall**, S. Chovanec, W. Crist, J. Czarzasty, J. Klinge, M. Metzger,
C. Papalas, S. Rempel, T. Schirmang, R. Stotts and L. Swantek. Archaeological
and landscape studies at Politiko-Troullia, 2009. *Report of the Department of
Antiquities, Cyprus 2011*.

Articles Accepted/In press (*peer-reviewed) (current or former graduate students underlined)

Falconer, S.E., **P.L. Fall**, J. Hunt and M.C. Metzger (*in press*) Agrarian Settlement at Politiko-Troullia, 2008. *Report of the Department of Antiquities, Cyprus* **2010**.

Falconer, S.E., **P.L. Fall**, M. Soto-Berelov, M. A Comparison of Vegetation and Settlement Models for the Jordan Rift in the Third and Second Millennium BCE. Paleoenvironmental and archaeological settlement dynamics along the Jordan Rift, in *Studies in the History and Archaeology of Jordan*, volume 11. Amman: Department of Antiquities, Hashemite Kingdom of Jordan.

Published Journal Articles & Chapters (*peer-reviewed) (current or former graduate students underlined)

- ***Fall, P.L.** and T.D. Drezner (2011) Plant Dispersal, Introduced Species and Vegetation Change in the South Pacific Kingdom of Tonga. *Pacific Science* 65(2): 143-156. doi: 10.2984/65.2.143.
- *Fall, P.L. (2010) Pollen evidence for plant introductions in a Polynesian tropical island ecosystem, Kingdom of Tonga. In S. G. Haberle, J. Stevenson & M. Prebble (eds), *Altered Ecologies: Fire, Climate and Human Influence on Terrestrial Landscapes*, *Terra Australis* 32:253-271. ANU E-Press, Canberra, The Australian National University (http://epress.aun.edu.au/ta32_citation.html).
- *Sherman, J.A. and **P.L. Fall** (2010) Observations on feeding frequencies among native and exotic birds and fruit bats at *Erythrina variegata* and *Dysoxylum* trees in American Samoa. In S. G. Haberle, J. Stevenson & M. Prebble (eds), *Altered Ecologies: Fire, Climate and Human Influence on Terrestrial Landscapes*, *Terra Australis* 32:101-116. ANU E-Press, Canberra, The Australian National University (http://epress.aun.edu.au/ta32_citation.html).
- *Klinge, J. and **P.L. Fall** (2010) A paleoethnobotanical analysis of Bronze Age land use and land cover in the eastern Mediterranean. *Journal of Archaeological Science* 37: 2622-2629. Doi: 10.1016/j.jas.2010.05.022.
- Falconer, S.E. and **P.L. Fall** (2009) Settling the valley: Agrarian settlement and interaction along the Jordan Rift during the Bronze Age, in *A Timeless Vale: Archaeological and related essays on the Jordan Valley in honour of Gerrit van der Kooji on the occasion of his sixty-fifth birthday*, edited by E. Kaptijn and L. Petit, pp. 97-108. Archaeological Studies Leiden University 19. Leiden: Leiden University Press.
- *Swoveland, T. and **P.L. Fall** (2009) Analysis of deuterium from fossil pollen to reconstruct paleoclimates. *Journal of the Arizona-Nevada Academy of Science* 41(2): 85-90.

- Fall, P.L.**, S. E. Falconer, M. Horowitz, J. Hunt, M. C. Metzger & Derek Ryter (2008) Bronze Age settlement and landscape of Politiko-Troullia, 2005-2007. *Report of the Department of Antiquities, Cyprus*, **2008**: 183-208.
- ***Fall, P.L.**, T.D. Drezner and J. Franklin (2007) Dispersal ecology of the lowland rain forest in the Vava'u island group, Kingdom of Tonga. *New Zealand Journal of Botany*, 45(2): 393-417.
- ***Fall, P.L.**, S.E. Falconer and P.C. Edwards (2007) Living on the edge: settlement and abandonment on the Dead Sea Plain, in *Crossing Jordan: North American Contributions to the Archaeology of Jordan*, edited by T.E. Levy, P.M.M. Daviau, R.W. Younker and M. Shaer, pp. 225-232. London: Equinox Publishing.
- *Falconer, S.E., **P.L. Fall** and J.E. Jones (2007) Life at the foundation of Bronze Age Civilization: agrarian villages in the Jordan Valley, in *Crossing Jordan: North American Contributions to the Archaeology of Jordan*, edited by T.E. Levy, P.M.M. Daviau, R.W. Younker and M. Shaer, pp. 261-268. London: Equinox Publishing.
- ***Fall, P.L.** (2005) Vegetation change in the coastal-lowland rainforest at Avai'o'vuna Swamp, Vava'u, Kingdom of Tonga. *Quaternary Research*, 64: 451-459.
- Falconer, S.E., **P.L. Fall**, T.W. Davis, M.T. Horowitz and J. Hunt (2005) Initial archaeological investigations at Politiko-Troullia, 2004. *Report of the Department of Antiquities, Cyprus* **2005**: 69-85.
- *Falconer, S.E., **P.L. Fall**, M. C. Metzger, L. Lines (2004) Bronze Age rural economic transitions in the Jordan Valley. *Annual of the American Schools of Oriental Research*, 58: 1-17.
- Edwards, P.C., S.E. Falconer, **P.L. Fall**, A. Ariotti and T. Swoveland (2004) Archaeology and environment of the Dead Sea Plain: preliminary results of the third season of investigations by the joint La Trobe University/Arizona State University Project. *Annual of the Department of Antiquities, Jordan*, vol. 48:1-21.
- ***Fall, P.L.** S.E. Falconer, L. Lines and M.C. Metzger (2004) Environmental impacts of the rise of civilization in the southern Levant. In C.L. Redman, P.R. Fish, S.R. James, & J.D. Rogers, eds., *The Archaeology of Global Change: The Impact of Humans on Their Environment*. Smithsonian Institution Press, Washington, D.C., pp. 261-191.
- ***Fall, P.L.**, S.E. Falconer, and L. Lines (2002) Agricultural intensification and the secondary products revolution along the Jordan Rift. *Human Ecology*, 30: 445-482.
- *Drezner, T.D. and **P.L. Fall** (2002) Effects of Inter-annual Precipitation Patterns on Plant Cover According to Dispersal Mechanisms along a Riparian Corridor in the Sonoran Desert, U.S.A., *Journal of the Arizona-Nevada Academy of Science*, 34: 70-80.

- Edwards, P.C., S.E. Falconer, **P.L. Fall**, I. Berelov, J. Czarzasty, C. Day, J. Meadows, C. Meegan, G.J. Sayej, T. Swoveland and M. Westaway (2002) Archaeology and Environment of the Dead Sea Plain: preliminary results of the second season of investigations by the joint La Trobe University/Arizona State University Project. *Annual of the Department of Antiquities, Jordan*, 46: 51-92.
- Edwards, P.C., S.E. Falconer and **P.L. Fall** (2002) Excavation and Survey at *Dhahrat adh-Dhra' & Qasr al-Bulayda*. *Munjazat*, 3: 27-28.
- *Davies, C.P. and **P.L. Fall** (2001) Modern pollen precipitation from an elevational transect in central Jordan and its relationship to vegetation. *Journal of Biogeography*, 28: 1-16.
- *Drezner, T., **P.L. Fall**, and J.A. Stromberg (2001) Plant distribution and dispersal mechanisms at the Hassayampa River Preserve, Arizona, USA. *Global Ecology and Biogeography*, 10: 205-217.
- Edwards, P.C., S.E. Falconer, **P.L. Fall**, I. Berelov, C. Davies, J. Meadows, C. Meegan, M.C. Metzger and G.J. Sayej (2001) Archaeology and environment of the Dead Sea Plain: preliminary results of the first season of investigations by the joint La Trobe University/Arizona State University Project. *Annual of the Department of Antiquities, Jordan*, 45: 135-157.
- Edwards, P.C., S.E. Falconer and **P.L. Fall** (2001) Excavation at *Dhahrat adh-Dhra'*. *Munjazat*, 2: 27-28.
- Falconer, S.E., P.C. Edwards, and **P.L. Fall** (2001) *Zahrat adh-Dhra'*. *American Journal of Archaeology*, 105(3): 441-443.
- Falconer, S.E., **P.L. Fall**, and J.E. Jones (2001). The Jordan Valley Village Project: Excavations at *Tell Abu en-Ni'aj*, 2000. *American Journal of Archaeology*, 105(3): 438-439.
- Falconer, S.E., **P.L. Fall**, and J. E. Jones (2001) The Jordan Valley Village Project: Recent excavations at Early Bronze IV *Tell Abu en-Niaj*. *Occident and Orient*, 6: 15-17.
- Falconer, S.E., **P.L. Fall**, and J. E. Jones (1998) Winter 1996/97 Excavations in the Northern Jordan Valley: The Jordan Valley Village Project. *American Journal of Archaeology*, 102(3): 588-589.
- ***Fall, P.L.**, L. Lines, and S.E. Falconer (1998) Seeds of civilization: Bronze age rural economy and ecology in the Southern Levant. *Annals of the Association of American Geographers*, 88: 107-125.
- ***Fall, P.L.** (1997) Timberline fluctuations and paleoclimates in the southern Rocky Mountains, Colorado. *Geological Society of America Bulletin*, 109: 1306-1320.

- ***Fall, P.L.** (1997) Fire history and composition of the subalpine forest of western Colorado during the Holocene. *Journal of Biogeography*, 24: 309-325.
- Miksicek, C.H. and **P.L. Fall** (1997) Wind Mountain Macrobotanical Plant Remains. In: A. I. Woosley and A. J. McIntyre, eds., *Mimbres Mogollon Archaeology*. University of New Mexico Press, Albuquerque, pp. 295-306.
- *Falconer, S.E. and **P.L. Fall** (1995) Human impacts on the environment during the rise and collapse of civilization in the eastern Mediterranean. In D. W. Steadman and J. I. Mead, eds., *Late Quaternary Environments and Deep History: A Tribute to Paul S. Martin*. The Mammoth Site of Hot Springs, South Dakota, Inc. Scientific Papers, Volume 3. Hot Springs, South Dakota, pp. 84-101.
- ***Fall, P.L.**, P.T. Davis, and G.A. Zielinski (1995) Late Quaternary vegetation and climate of the Wind River Range, Wyoming. *Quaternary Research*, 43: 393-404.
- ***Fall, P.L.** (1994) Modern pollen spectra and vegetation in the Wind River Range, Wyoming. *Arctic and Alpine Research*, 26: 383-392.
- ***Fall, P.L.** (1992) Pollen accumulation in a montane region of Colorado, U. S. A.: a comparison of moss polsters, atmospheric traps, and natural basins. *Review of Palaeobotany and Palynology*, 72: 169-197.
- ***Fall, P.L.** (1992) Spatial patterns of atmospheric pollen dispersal in the Rocky Mountains of western Colorado, U. S. A. *Review of Palaeobotany and Palynology*, 74: 293-313.
- ***Fall, P.L.** (1992) Anasazi of Canyon de Chelly. In: D. G. Noble, ed., *Houses Beneath the Rock: The Anasazi of Canyon de Chelly and Navajo National Monument*. Ancient City Press, Santa Fe, pp. 34-41.
- ***Fall, P.L.** (1990) Deforestation in southern Jordan: Evidence from fossil hyrax middens. In Bottema, S., G. Entjes-Nieborg, and W. Van Zeist, eds., *Man's Role in the Shaping of the Eastern Mediterranean Landscape*. A.A. Balkema, Rotterdam, pp. 271-281.
- ***Fall, P.L.**, C.A. Lindquist, and S.E. Falconer (1990) Fossil hyrax middens from the Middle East: A record of paleovegetation and human disturbance. In Betancourt, J.L., T.R. Van Devender, and P.S. Martin, eds., *Fossil Pollen Middens: The Last 40,000 Years of Biotic Change in the Arid West*. University of Arizona Press, Tucson, pp. 408-427.
- ***Fall, P.L.** (1987) Pollen taphonomy in a canyon stream. *Quaternary Research*, 28: 393-406.
- ***Fall, P.L.** (1986) The Anasazi of Canyon de Chelly. *Annual Bulletin of the School of American Research*, pp. 34-41.

- *Davis, O. K., R. S. Anderson, **P.L. Fall**, R. S. Thompson, and M. K. O'Rourke (1985) Palynological evidence for early Holocene aridity in the southern Sierra Nevada, California. *Quaternary Research*, 24(3): 322332.
- ***Fall, P.L.** (1985) Holocene dynamics of the subalpine forest in central Colorado. *American Association of Stratigraphic Palynologists*, 16: 3146.
- *Anderson, R. S., O. K. Davis, and **P.L. Fall** (1985) LateGlacial and Holocene vegetation and climate in the Sierra Nevada of California, with particular reference to the Balsam Meadow site. *American Association of Stratigraphic Palynologists*, 16: 127140.
- ***Fall, P.L.** (1985) *Le flore. Recherches archeologiques a Tell elHayyat dans le nord de la vallee du Jourdain*, 19821983. *Syria*, 60(34): 306310.
- Davis, O. K., R. S. Anderson, R. S. Thompson, **P. L. Fall**, and M. K. O'Rourke (1984) Pollen Analysis of Balsam Meadow. In Goldberg, S. K. and M. J. Moratto, eds., *Archaeological investigations at Balsam Meadow, Fresno County, California*, pp. 325352.
- Van Asdall, W., **P.L. Fall**, and C. H. Miksicek (1982) Corn, *Chenopodium*, and century plant: Mogollon subsistence in the Mangus Valley. In Beckett, P. H., ed., *Mogollon Archaeology: Proceedings of the 1980 Mogollon Conference*. Acoma Books, California, pp. 167187.
- ***Fall, P.L.**, G. Kelso, and V. Markgraf (1981) Paleoenvironmental reconstruction at Canyon del Muerto, Arizona: Based on principal component analysis. *Journal of Archaeological Science*, 8: 297307.

Contract Reports

- Fall, P.L.**, L. Lavold-Foote and B. Blades (2008), *Palynological Investigations at Point State Park, Allegheny County, Pennsylvania*. In B. Blades *et al.* "Archaeological Investigations at Point State Park, City of Pittsburgh, Allegheny County, Pennsylvania," Report to the City of Pittsburgh.
- Fall, P.L.**, G.K. Kelso and L. Lavold-Foote (2007) *Palynological analyses of Read House*. Report to the University of Delaware, Archaeological Research Program.
- Kelso, G.K., **P.L. Fall** and L. Lavold-Foote (2005) *Palynology of the African-American Burial Ground, New York City, Phase II*. Report to the Office of Research Administration, Howard University, Washington, D.C.

Book Reviews

- Fall, P.L.** (1997) *Biotic Communities: Southwestern United States and Northwestern Mexico*. Edited by David E. Brown, University of Utah Press. *Geographical Review*.

Fall, P.L. (1994) *A Legacy of Change: Historic Human Impact on Vegetation of the Arizona Borderlands* by Conrad J. Bahre, University of Arizona Press. *Annals of the American Academy of Political and Social Science*, 531: 195-196.

PRESENTATIONS

Conference Papers (Graduate student co-authors underlined)

Politiko-Troullia, Cyprus: Bronze Age Industry and Landscape (P. Fall & S. Falconer), Annual Meetings of the American Schools of Oriental Research, Atlanta, November, 2010.

Archaeological and Landscape Studies at Politiko-Troullia (P. Fall & S. Falconer). Cyprus American Archaeological Research Institute-Department of Antiquities, (Cyprus Annual Symposium on the Archaeology of Cyprus, Nicosia, Cyprus, June, 2010).

An Integrated Study of Paleoenvironmental and Archaeological Settlement Change along the Jordan Rift (Falconer, S., Fall, P., Soto-Berelev, M.), 11th International Conference on the History and Archaeology of Jordan, Paris June 7-12, 2010.

Landscape and settlement dynamics at Politiko-Troullia (P. Fall & S. Falconer). Cyprus American Archaeological Research Institute-Department of Antiquities, (Cyprus Annual Symposium on the Archaeology of Cyprus, Nicosia, Cyprus, June, 2009).

Bronze Age Agrarian Life and Landscape at Politiko-Troullia (S. Falconer & P. Fall). Annual Meetings of the American Schools of Oriental Research, New Orleans (November 2009).

A Preliminary Assessment of Prehistoric Occupation at the Forks of the Ohio (B. Blades, P.L. Fall, W. Johnson and F. Vento). Annual Meeting of the Society for Pennsylvania Archaeology (April 2009).

Agrarian life and landscape at Politiko-Troullia (P. Fall & S. Falconer). Cyprus American Archaeological Research Institute-Department of Antiquities, (Cyprus Annual Symposium on the Archaeology of Cyprus, Nicosia, Cyprus, June, 2008).

Analysis of vegetation responses to human and environmental dynamics (Ridder, E., M. Soto-Berelev & P.L. Fall). Cyprus American Archaeological Research Institute-Department of Antiquities, (Cyprus Annual Symposium on the Archaeology of Cyprus, Nicosia, Cyprus, June, 2008).

Landscape formation and rural ecology at Politiko Troullia (P. Fall & S. Falconer). Cyprus American Archaeological Research Institute-Department of Antiquities, (Cyprus Annual Symposium on the Archaeology of Cyprus, Nicosia, Cyprus, June, 2007).

- Remote sensing of ancient settlements on the Middle Eastern landscape.* (Rempel, S., M. Soto-Berelev, P.L. Fall & S.E. Falconer). Society for American Archaeology, 71st Annual Meeting, April 2007, San Antonio.
- Land Cover Change in the Southern Levant: 1973 to 2003* (M. Soto-Berelev, P.L. Fall & S.E. Falconer) American Society of Photogrammetry & Remote Sensing (ASPRS), Southwest Region Spring 2007 Technical Meeting, 'Applications of Geospatial Information Science and Technology for Smart Growth' (March 7, 2007, Arizona State University, Tempe).
- Geomorphic mapping and paleoterrain generation for use in modeling Holocene (8,000 – 1,500 yr) agropastoral landuse and landscape interactions in southeast Spain* (E.N. DiMaggio, J.R. Arrowsmith, C.M. Barton, H. Sarjoughian, P.L. Fall, S.E. Falconer & I. Ullah). American Geophysical Union, AGU 2006 Secession: GC01 Global Environmental Change General Contributions (San Francisco, November 2006).
- Rural ecology during the Early and Middle Cypriot period: evidence from Politiko Troullia* (P. Fall & S. Falconer). Cyprus American Archaeological Research Institute-Department of Antiquities, (Cyprus Annual Symposium on the Archaeology of Cyprus, Nicosia, Cyprus, June, 2006).
- Modeling Long-Term Landscape Dynamics and the Emergence of Intensification* (C. Michael Barton, Hessam Sarjoughian, Helena Mitsova, Ramón Arrowsmith, Steven Falconer & Patricia Fall). (Society for American Archaeology, 70th Annual Meeting, April 2006, Puerto Rico, 2006).
- Modeling of agropastoral human activities using agent-based simulation* (Eowyn Allen, Steven Falconer, Michael Barton, Hessam Sarjoughian & Patricia Fall). (Society for American Archaeology, 70th Annual Meeting, April 2006, Puerto Rico, 2006).
- Environment and Abandonment at Zahrat adh-Dhra`, Jordan* (Ilya Berelev, Steven Falconer & Patricia Fall). (Society for American Archaeology, 70th Annual Meeting, April 2006, Puerto Rico, 2006).
- Bronze age urbanism and ruralism: a comparison of the Levant and Cyprus* (P. Fall & S. Falconer) Cyprus American Archaeological Research Institute-Department of Antiquities. (Cyprus Annual Symposium on the Archaeology of Cyprus, Nicosia, Cyprus, 2005).
- Vegetation dynamics of the rainforests of Vava'u, Kingdom of Tonga.* (XI International Palynological Congress, Granada, Spain, 2004).
- Development of the Mediterranean Landscape of the Southern Levant.* (XI International Palynological Congress, Granada, Spain, 2004).

Paleoenvironmental investigations on the Lisan Peninsula, Dead Sea, Jordan (P. Fall & T. Swoveland). (Annual Meetings of the Association of American Geographers, New Orleans, 2003).

Paleoclimatic reconstruction of the Dead Sea Basin from 20,000 to 12,000 years ago (T. Swoveland & P. Fall). (American Geophysical Union, San Francisco, 2002).

Paleoclimate of the Dead Sea Basin from 20,000 to 12,000 years ago (P. Fall & T. Swoveland). (Annual Meetings of the Association of American Geographers, Los Angeles, 2002).

Bronze age settlement along the Jordan Rift (P. Fall & S. Falconer). (7th International Conference on the History and Archaeology of Jordan, Sydney, Australia, 2001).

Plant dispersal in Tonga (P. Fall & T. Drezner). (Annual Meetings of the Association of American Geographers, New York, 2001).

Modern pollen precipitation from an elevational transect in central Jordan and its relationship to vegetation (with C. Davies). (Annual Meetings of the Association of American Geographers, New York, 2001).

Paleoenvironment of the Dead Sea (with E. Prud'homme). (Annual Meetings of the Association of American Geographers, New York, 2001).

Symposium Organizer and Chair (with B. Jacobs), "*Paleobotanical Approaches to Paleoclimate*," (XVI International Botanical Congress, St. Louis, 1999).

Human impacts on the vegetation of Tonga, western Polynesia. (Annual Meetings of the Association of American Geographers, Honolulu, 1999).

A Holocene paleoecological record, east-central Sierra Nevada, Ca. (with S. Emrick and M. Pohl). (Annual Meetings of the Association of American Geographers, Ft. Worth, 1997).

Holocene vegetation and climatic history of Laurel Lakes Canyon, Sierra Nevada, CA. (with M. Pohl, S. Arundel, P. Brinkman, C. Davies, D. Douglas, S. Emrick, & J. Brown). (Biennial Meetings of the American Quaternary Association, Flagstaff, 1996).

Late-glacial vegetation and paleoclimate of the central Colorado Rocky Mountains (with C. Davies). (Annual Meetings of the Association of American Geographers, Charlotte, 1996).

Symposium Organizer, "*Paleoecology and Paleoclimatology*," (Annual Meetings of the Association of American Geographers, Charlotte, 1996).

Seeds of civilization: early agrarian economy in Jordan (with L. Lines). (Annual Meetings of the Association of American Geographers, Chicago, 1995).

Agriculture's role in molding the ancient Near Eastern landscape. (Annual Meetings of the Association of American Geographers, San Francisco, 1994).

Population growth, agricultural intensification, and their environmental impacts around the Eastern Mediterranean (with S. E. Falconer). Invited Symposium Contribution, "Prehistoric Human Impacts on the Environment: A Global Perspective," (Annual Meetings of the Society of American Archaeology, Anaheim, 1994).

Late Quaternary vegetation and climate of the Wind River Range, Wyoming. (Annual Meetings of the Geological Society of America, San Diego, 1991).

Vegetation history and paleoclimates of the southern Rocky Mountains. (Annual Meetings of the Association of American Geographers, Miami, 1991).

Paleoecological evidence for culturally induced desertification, Invited Symposium Contribution, "Predicting Future Desertification from Paleoecological Evidence." (Annual Meetings of the Ecological Society of America, San Antonio, 1991).

Research Trajectories in Ethnobiology, Conference Organizer (with Katherine Spielmann, Anthropology). (Annual Meeting of the Society of Ethnobiology, Arizona State University, 1990).

Deforestation in southern Jordan: evidence from fossil hyrax middens, Invited Conference Contribution, "Man's Role in the Shaping of the Eastern Mediterranean Landscape." (International Union for Quaternary Research, Groningen, The Netherlands, 1989).

Early village life in the Jordan Valley: a study in rural social and economic complexity, (with S. E. Falconer and M. Metzger), Invited Symposium Contribution, "Village Communities in Early Complex Societies." (Annual Meetings of the American Society for American Archaeology, Atlanta, 1989).

Pollen and plant macrofossils from fossil hyrax middens: New insight into the palaeoecology of the Middle East. (7th International Palynological Congress, Brisbane, 1988).

Pollen taphonomy and sedimentation in the arid American southwest. (with R.S. Thompson) (7th International Palynological Congress, Brisbane, 1988).

Fossil hyrax middens from the Middle East a new source of paleobotanical evidence (with C.A. Lindquist). (XII International Union for Quaternary Research, Ottawa, 1987).

Late Quaternary vegetation dynamics in the southern Rocky Mountains. (XII International Union for Quaternary Research, Ottawa, 1987).

- Middle Bronze Age village agriculture in the Jordan Valley*, Invited Symposium Contribution, "Economy and Society in the Middle Bronze Age of the Levant." (Annual Meetings of the American Schools of Oriental Research, Chicago, 1984).
- Late Pleistocene Vegetation and Climate of the Southwestern United States*, Symposium Organizer and Chair (with B.F. Jacobs and O.K. Davis). (Sixth International Palynological Conference, Calgary, 1984).
- Late Quaternary vegetation and climate of the central Colorado Rocky Mountains*. (Sixth International Palynological Conference, Calgary, 1984).
- Development of modern alpine tundra and subalpine forests during the Late Quaternary and their climatic implications*. (8th Annual Meetings of the American Quaternary Association, Boulder, 1984).
- Pollen and macrofossil analysis from Balsam Meadow, southern Sierra Nevada mountains, California* (with R.S. Anderson, O.K. Davis, R.S. Thompson, and M.K. O'Rourke). (8th Annual Meetings of the American Quaternary Association, Boulder, 1984).
- Holocene dynamics of the subalpine sprucefir forest in central Colorado*, Invited Symposium Contribution, "Modern and Past Biogeography of the Western United States: Developing a Four Dimensional Understanding of Vegetation Dynamics." (Annual Meetings of the Ecological Society of America, Ft. Collins, 1984).
- Pollen analysis of alluvial sediments in the western United States* (with R.S. Thompson). (Annual Meetings of the Society for American Archeology, Pittsburgh, 1981).
- Paleoenvironmental reconstruction at Canyon del Muerto, Arizona based upon pollen analysis*. (Annual Meetings of the American Association of Stratigraphic Palynologists, Phoenix, 1979).
- Prehistoric subsistence economy at Wind Mountain, New Mexico* (with C. H. Miksicek). (Annual Meetings of the ArizonaNevada Academy of Science, Tempe, 1979).
- Paleoenvironmental reconstruction at Canyon del Muerto, Arizona, Second Annual Ethnobiology Conference, Flagstaff, 1979).

Invited Talks

- Settlement and landscape dynamics during the Middle Bronze Age on Cyprus* (Western Sovereign Base Archaeological Society, British Sovereign Base, Akrotiri, Cyprus, June 2009).
- Agrarian life and Bronze Age landscape change in Cyprus* (Western Sovereign Base Archaeological Society, British Sovereign Base, Akrotiri, Cyprus, 2008).

- Paleoecological extirpations of tropical forest species from the Kingdom of Tonga.* The Australian National University, Canberra. Invited talk in Workshop on “Plant Extinctions in Island Oceania” (October 10-13, 2006).
- Bronze Age village life in the eastern Mediterranean,* British Sovereign Base Archaeological Society, (British Sovereign Base, Akrotiri, Cyprus, 2004).
- Bronze Age agriculture and urbanization in the Southern Levant: implications for new research in Cyprus.* (Cyprus American Archaeological Research Institute, Nicosia, Cyprus, 2004).
- Paleoclimate and Biogeography of the Rocky Mountain Subalpine forest.* Invited speaker for the 75th anniversary of the center. (Rocky Mountain Research Center, Gothic, Colorado, 2003).
- Human-environmental interaction along the Jordan Rift.* (Department of Archaeology, La Trobe University, Melbourne, 2001).
- Bronze Age village life in the Jordan Valley.* (American Center of Oriental Research, Amman, Jordan, 2000).
- Archaeological excavations and modern economic development at Tell Abu en-Niaj.* Friends of Archaeology, (Amman, Jordan, 2000).
- Vegetation change in the Kingdom of Tonga,* (Research School of the Pacific and Asian Studies. Australian National University, Canberra, 1998).
- Bronze age rural economy and ecology in the Southern Levant.* (Research School of the Pacific and Asian Studies, Australian National University, Canberra, 1998).
- Late Pleistocene and Holocene paleoclimate of the southern Rocky Mountains.* (Department of Geology, Arizona State University, 1996).
- Seeds of Civilization: Early Agrarian Economy in the Jordan Valley.* (Department of Geography, Arizona State University, 1995).
- Ecological responses of plants to paleoclimates.* (Arizona State University Ecology Symposium, 1994).
- Shaping our world: the legacy of ancient environmental impact.* Late Quaternary Environments and Deep History: A tribute to Paul Martin, (The Mammoth Site, Hot Springs, South Dakota, 1993).
- Longterm vegetation history and paleoclimates of the Colorado Rocky Mountains.* (Department of Botany, Arizona State University, 1990).
- Nature and timing of deglaciation of the Rocky Mountains.* (United States Geological Survey, Denver, 1989).

Vegetation dynamics of the subalpine forest. (Department of Botany, New York University, 1989).

Human impacts in southern Jordan. (BiologischArchaeologisch Instituut, Groningen, The Netherlands, 1989).

Keynote address

Environmental impact and urban growth in the ancient Near East. Keynote Speaker, Annual Meetings of the Arizona-Nevada Academy of Science, (Glendale, Arizona, 1994).

GRADUATE STUDENT MENTORING

Ph.D. Students Supervised (Committee Chair) Current Students Supervised

JoAnna Klinge, Chair, entered PhD program Fall 2009; School of Geographical Sciences and Urban Planning.

Elizabeth Ridder, Chair, entered Ph.D. program in Fall 2007. Completed PhD comprehensive exam to become ABD in September 2009. Dissertation topic: *Human-environmental impacts on the Cypriot landscape as evidenced by remote sensing.* School of Geographical Sciences, Arizona State University. **Fulbright Award 2009; Melvin G. Marcus Scholarship 2009; NSF GK-12 ‘Down to Earth’ Fellowship 2010.**

Mariela Soto, Ph.D., Chair, entered Ph.D. Program Fall 2005; Completed PhD comprehensive exam to become ABD January 2008. Dissertation topic: *Vegetation modeling of modern and past vegetation of the Southern Levant over the past 10,000 years.* School of Geographical Sciences, Arizona State University. **Doctoral Enrichment Fellowship 2005; Graduate College Completion Fellowship 2010.**

Ph.D. Students Supervised (Committee Chair) Completed PhD degrees

Thomas Swoveland, Spring 2010, Dissertation topic: *Late-glacial paleoenvironmental reconstruction based on sediment cores from the Dead Sea.* School of Geographical Sciences, Arizona State University. **Position: Professor at the United States Air Force Academy, June 2010.**

Sharon Joy Lite, Ph.D., Chair, Fall 2003, Dissertation title: *Riparian vegetation along the San Pedro River, southern Arizona.* Entry position: Postdoctoral Fellow, School of Life Sciences, Arizona State University (with Julie Stromberg).

Taly Drezner, Ph.D., Chair, Spring 2001, Dissertation title: *Saguaro distribution and the relationship with their nurse plants.* Entry position: Assistant Professor, Department of Geography, University of Wisconsin – Milwaukee. Current

Position: Associate Professor, Department of Geography, York University, Toronto.

Caroline Davies, Ph.D., Chair, Summer 2000, Dissertation title: *Reconstruction of paleoenvironments from lacustrine deposits of the Jordan Plateau*. Entry position: Assistant Professor, Department of Geography, University of Memphis. Current position: Associate Professor, Geosciences, University of Missouri-Kansas City. **Fulbright Award 1998.**

Samantha Arundel, Ph.D., Chair, Spring 2000, Dissertation title: *Modeling climatic limiters of plant distributions for paleoclimatic reconstruction in the Sonoran Desert*. Entry position: Assistant Professor (promoted to Associate Professor), Department of Geography, Northern Arizona University. Current position: Research Scientist, United States Geological Survey, Missouri.

Steve Emrick, Chair, "Cultivated plants during the rise of civilization in the ancient Near East" (I worked with Steve 1999-2001. Although he did not complete his Ph.D., his training prepared him for an academic position). Entry position: Assistant Professor, Department of Geography, Glendale Community College. Current position: Assistant Chair, Glendale Community College.

Diane Douglas, Ph.D., Co-Chair, Fall 1998, Dissertation title: *A late Holocene reconstruction of temperature for western Colorado and southeastern Utah* (co-chair with Randy Cerveny). Entry position: President, Eco-Systems Management, 15020 North 40th Street, Phoenix, Arizona.

Lee Lines, Ph.D., Chair, Spring 1995, Dissertation title: *Bronze age orchard cultivation and urbanization in the Jordan Valley*. Entry position: Assistant Professor, Rollins College, Winter Park, FL. Current position: Associate Professor and Chair of Environmental Studies, and holds the Diane and Michael Maher Chair for Distinguished Teaching.

Ph.D. Students Supervised (Committee Member) Current Students

John Benedict, Ph.D., Member, entered Ph.D. program in Fall 2007, completed PhD comprehensive exam August 2009. (School of Life Sciences, ASU).

Ph.D. Students Supervised (Committee Member)

Maria Tcherepova, Ph.D., Member, 2004-2008. Dissertation topic: Paleobotany of the Yakima Canyon flora (School of Life Sciences) (deceased).

Michelle Elliott, Ph.D., Member, Fall 2007. (School of Human Evolution and Social Change, ASU), Dissertation title: *Investigating climatic and anthropogenic influences on settlement and landscape in the Malpaso Valley, Zacatecas, Mexico.*

Glenn Stuart, Ph.D., Member, Spring 2003, (Anthropology, ASU), Dissertation title: *Wetland agriculture and archaeological palynology: Socio-political development in west Mexico*. Entry position: Research Specialist, International Institute for Sustainability, ASU.

Lorenzo Vasquez-Selem, Ph.D., Member, Fall 2000, (Geography), Dissertation title: *Glacial chronology of Iztaccihuatl volcano, central Mexico. A record of environmental change on the border of the tropics*. Entry position: Assistant Professor, Universidad Nacional Autonoma de Mexico.

Marty Roberge, Ph.D., Member, Summer 1999, (Geography), Dissertation title: *Physical interaction between Phoenix and the Salt River, Arizona*. Entry position: Assistant Professor, Department of Geography, Towson University.

Janet Marsh, Ph.D., Member, Spring 1996, (Botany), Dissertation title: *An evaluation of the lichen family Ramalinaceae based on a generic character and DNA phylogenetic assessment*. Entry position: Adjunct Professor, Ecosystem Science and Management Program, University of Northern British Columbia)

Tom Paradise, Ph.D., Member, Fall 1993, (Geography), Dissertation title: *Sandstone weathering analysis of the Roman Theater in Petra, Jordan*. Entry position: Assistant Professor (promoted to Associate and Full Professor), University of Hawaii: Hilo. Current position: Professor of Geosciences and Director of the King Fahd Center for Middle East & Islamic Studies, University of Arkansas.

M.A. Students Supervised (Committee Chair) Current Students

Tracey Schrimang, M.A., co-Chair, anticipated completion Dec. 2010, Thesis topic: *Remote sensing of conifer and deciduous forests in the Prescott National Forest, Arizona* (co-Chair with Soe Myint, Geography). **Graduate Student Achievement Award for Image-based studies, Southwest Region ASPRS 2009.**

M.A. Students Supervised (Committee Chair) Completed MA Students

JoAnna Klinge, M.A., Chair, Summer 2009, Thesis title: *A paleoethnobotanical analysis of Bronze Age land use and land cover in the eastern Mediterranean*. Admitted to PhD program School of Geographical Sciences and Urban Planning Fall 2009.

Elizabeth Ridder, M.A., Chair, 2006-08, Master's in Passing Spring 2009. Invited to join Ph.D. program, School of Geographical Sciences, Arizona State University.

Julie Sherman, M.A., Chair, Spring 2006, Thesis title: *Biogeography and dispersal of indigenous plant species by birds and fruit bats in American Samoa*. Entry position: Mount Hood Wilderness Campaign Coordinator, Oregon Natural Resources Council. Current position:

- Carlos Santiago Lopez, M.A., Chair, Spring 2002, Thesis title: *Nature and extent of deforestation in Ecuadorian Choco region: a multi-scale analysis*. Completed PhD 2008, Department of Geography, University of Texas – Austin. Entry position: Research Scientist, Department of Geography, George Washington University, Washington, DC.
- Emily Prud'homme, M.A., Chair, Spring 2002, Thesis title: *Laminated sediments from the Dead Sea Basin: evidence from Lisan Core 3*. Entry position: Program Coordinator, Hancock Field Station, John Day Fossil Beds National Monument, Oregon.
- Tom Swoveland, M.A., Chair, Fall 2001, Thesis title: *The paleoclimate of the Dead Sea Basin from the Last Glacial Maximum to the Holocene*. Entry position: Instructor, United States Air Force Academy.
- Taly Drezner, M.A., Chair, Fall 1998, Thesis title: *Plant distribution and dispersal mechanisms at the Hassayampa River Preserve, Arizona*. Continued in PhD program, Department of Geography, Arizona State University.
- Rick Schiller, M.A., Chair, Spring 1996, Thesis title: *Relationship of riparian productivity in the Grand Canyon to elevation and climate*. Entry position: Department of Environmental Quality, State of Arizona.
- Samantha Arundel, M.A., Chair, Fall 1994, Thesis title: *Past climate of the Sonoran Desert as reconstructed by average species climatic parameters*. Continued in PhD program, Department of Geography, Arizona State University.

M.A. Students (Committee Member)

- Sidney Rempel, M.A., Member, Spring 2006 (School of Human Evolution and Social Change, ASU), MA project: *Multiphase assemblage composition at the structural level at Tell el-Hayyat, Jordan*. Continued in Ph.D. program in the School of Human Evolution and Social Change, Arizona State University.
- Gabe Judkins, M.A., Member, Spring 2005 (Geography). Continued in PhD program, Department of Geography, Arizona State University.
- Cathryn Meegan, M.A., Member, Fall 2002 (Anthropology), Thesis title: *Agrarian ecology of the Middle Bronze Age of the Southern Levant: a palaeoethnobotanical study of Zahrat adh-Dhra'*. Continued in PhD program in the Department of Anthropology, Arizona State University.
- Stephen Brackett, M.A., Member, Spring 2002 (Recreation Management and Tourism), Thesis title: *Understanding human motivational aspects of wildlife interaction in a tourist setting*.
- Tom Ashbeck, M.A., Member, Spring 2002 (Biology), Thesis title: *Matrix population analysis and management of American Bullfrog (*Rana catesbeiana*) populations*

from the eastern United States. Entry position: Senior Project Scientist, EcoPlan Associates, Inc., Mesa.

Katharine Rainey, M.A., Member, Spring 2001 (Anthropology), Thesis title: *The effects of Spanish missionization on Pueblo plant subsistence: archaeobotanical remains from Pueblo Blanco (LA 51) and Quarai (LA 95), New Mexico*. Currently runs her own consulting company.

Sharon Kramer (Lite), M.A., Member, Spring 1999 (Geography), Thesis title: *Functional Groups and plant-environment relationships: Restoration guideline for the Provo River, Utah*. Continued in PhD program in Geography, Arizona State University.

Molly Pohl, M.A., Member, Spring 1995 (Geography), Thesis title: *Radiocarbon dating in drylands*. Continued in PhD program in the Department of Geography, Arizona State University. Entry position: Assistant Professor, Department of Geography, San Diego State University.

Ginger Hinchman, M.A., Member, Spring 1993 (Geography), Thesis title: *Relationship between riparian vegetation and alluvial channel deposits, Little Colorado River*. Continued in PhD program in the Department of Geography, Arizona State University.

Thad Wasklewicz, M.A., Member, Fall 1992 (Geography), Thesis title: *Importance of environment on the order of mineral weathering in olivine basalts, Hawaii*. Continued in PhD program in the Department of Geography, Arizona State University. Entry position: Assistant Professor, Department of Geography, University of Memphis.

UNDERGRADUATE STUDENT MENTORING

Deanna Bodey, Internship and independent research on plant dispersal in tropical rainforests of Tonga, Spring and Summer 2005 (Anthropology graduate).

Eric Steinbach, Independent research project mentor for field work in Cyprus, Summer 2005 (Anthropology graduate).

TEACHING

Arizona State University

Undergraduate: Introduction to Physical Geography (GPH 111)
 Geography of Australia and Oceania (GCU 332)
 Geography of the Middle East & North Africa (GCU 328)
 Plant Geography (GPH 422)
 Research Methods (GCU 496)

Graduate: Classes or seminars in Quaternary Research, Biotic Distributions,
 Landscape Change, Remote Sensing, Paleoecology, and
 Palynology.

Overseas Field Schools: Archaeological and Geographical Field Schools in Jordan
 (1996, 1999 and 2000) and in Cyprus (2006-2009).

COURSE AND ENROLLMENT BY SEMESTER (1989-2010)**Arizona State University**

<u>Semester</u>	<u>Course Title</u>	<u>Credit Hours</u>	<u>Enrollment</u>
Fall 1989:			
GPH 111	Intro. Physical Geography	4	105
GPH 481	Environmental Geography	3	11
Spring 1990:			
GPH 411	Physical Geography	3	26
GPH 494	Quaternary Environments	3	2
Fall 1990:			
GPH 111	Intro. Physical Geography	4	210
GCU 375	Intro. to Research Methods	3	25
Spring 1991:			
GPH 411	Physical Geography	3	11
GPH 494/598	Biotic Distributions	3	10
Fall 1991:			
GPH 210	Physical Environment	3	48
GPH 411	Physical Geography	3	14
Spring 1992:			
GCU 375	Intro. to Research Methods	3	25
GPH 598	Quaternary Environments	3	9
Fall 1992:			
GPH 598	Biotic Distributions	3	8

Spring 1993:			
GPH 111	Intro. Physical Geography	4	210
Fall 1993:			
GPH 411	Physical Geography	3	32
GPH 591	Forum	1	8
Spring 1994:			
GPH 598	Quaternary Environments	3	8
Fall 1994:			
GPH 210	Physical Environment	3	25
GPH 598	Biotic Distributions	3	12
Spring 1995:			
GPH 111	Intro. Physical Geography	4	105
GCU 496	Intro. Research Methods	3	18
Fall 1995:			
GCU 496	Intro. Research Methods	3	21
GPH 591	Seminar in Paleoecology	3	10
Winter 1996:			
Overseas Field School in Jordan			
Spring 1996:			
GPH 111	Intro. to Physical Geography	4	210
GPH 598	Quaternary Environments	3	13
Fall 1996:			
GPH494/BOT 425	Plant Geography	3	14
GPH 598	Biotic Distributions	3	10
GPH 494	Overseas Field School (Jordan)	3	10
Spring 1997:			
GCU 496	Intro. Research Methods	3	27
GPH 111	Intro. Physical Geography	4	210
Summer 1997:			
GCU 332	Geog. of Australia and Oceania	3	27
GCU 328	Geography of the Middle East	3	25
Fall 1997 & Spring 1998:			
Sabbatical Leave – No Courses Taught			
Fall 1998:			
GCU 332	Geog. of Australia and Oceania	3	25
GPH 598	Biotic Distributions	3	6

Spring 1999:		
GPH 111	Intro. Physical Geography	4 105
GPH 422	Plant Geography	3 15
GPH 591	Geography Forum	1 20
Fall 1999:		
GPH 111	Intro. Physical Geography	4 210
GCU 332	Geography of the Middle East	3 15
GPH 598	Quaternary Environments	3 10
GPH 494/598	Overseas Field School (Jordan)	3 12
Winter 1999:		
	Overseas Field School in Jordan (Tell Abu en-Niaj)	6 15
Spring 2000:		
	Overseas Field School Jordan (Zarat adh-Dhra)	6 7
Fall 2000:		
GCU 332	Geog. of Australia and Oceania	3 25
GPH 598	Paleoecology	3 15
Spring 2001:		
GPH 111	Intro. Physical Geography	4 210
GCU 496	Intro. to Research Methods	3 19
Fall 2001:		
GCU 332	Geography of Middle East	3 40
GPH 598	Biotic Distributions	3 6
Spring 2002:		
GPH 111	Intro. Physical Geography	4 210
GPH 422	Plant Geography	3 4
Summer 2002:		
GPH 111	Intro. Physical Geography	4 60
Fall 2002:		
GCU 332	Geog. of Australia and Oceania	3 34
GPH 591	Palynology	3 3
Spring 2003		
GPH 111	Intro. Physical Geography	4 210
GPH 422	Plant Geography	3 11
Summer 2003		
GPH 111	Intro. Physical Geography	4 40
GCU 328	Geography of Middle East	3 20

Fall 2003			
GCU 328	Geography of Middle East	3	60
GPH 591	Seminar in Biotic Distributions	3	4
Spring 2004			
GPH 111	Intro. Physical Geography	4	210
GPH 422	Plant Geography	3	30
Fall 2004			
Sabbatical Leave – No courses taught			
Spring 2005			
GPH 111	Intro. Physical Geography	4	210
GPH 422	Plant Geography	3	40
Summer 2005			
GPH 111	Intro. Physical Geography	4	50
Fall 2005			
GCU 328	Geography of the Middle East	3	40
Spring 2006			
GPH 591	Remote Sensing and Quaternary Landscapes	3	12
Summer 2006:			
Field School in Cyprus			
6 undergraduate students from ASU and the University of Cyprus			
1 graduate student from Columbia			
Fall 2006:			
GCU 332	Geog. of Australia and Oceania	3	47
GPH 591	Landscape Change	3	10
Spring 2007:			
GCU 496	Intro to Research Methods	3	23
Summer 2007:			
Field School in Cyprus			
7 undergraduate students from ASU and University of Cyprus			
4 graduate students from ASU, NYU and Columbia			
Fall 2007:			
ASU 101		1	19
GCU 328	Geography of the Middle East	3	65
GPH 425/GPH 598	Plant Geography	3	20

Spring 2008:

GPH 111 Intro Physical Geography	4	210
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Summer 2008:

Field School in Cyprus

13 undergraduate students from ASU, the University of Cyprus,
Simon Fraser University and the University of North Carolina
7 graduate students from ASU and the University of Michigan

Fall 2008:

GCU 332 Geography of Australia & Oceania	3	65
GPH 591 Landscape Change	3	5

Spring 2009:

GPH 422 Plant Geography	3	20
GCU 496 Intro to Research Methods	3	42

Summer 2009:

Field School in Cyprus (6 credit hours)

8 Undergraduate students from ASU, Yale, and New York University
4 graduate students from ASU and the University of Michigan

Fall 2009:

GPH 422 Plant Geography	4	4
GCU 328 Geography of the Middle East	3	80
GPH 591 Research Publication	3	5

Spring 2010:

GCU 496 Intro to Research Methods	3	37
GPH 591 Paleoecology	3	9

Summer 2010:

Field School in Cyprus

10 undergraduate students from ASU, Harvard, SUNY-Albany,
Bates College
6 graduate students from ASU and SUNY-Albany

Fall 2010:

GPH 422/GPH 598 Plant Geography	3	30
GCU 332 Geography of Australia & Oceania	3	65

Winter 2010:

GCU 332 Geography of Australia & Oceania	3	7
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Spring 2011

GCU 496 Intro to Research Methods	3	32
GPH 591 Paleoecology	3	3

SERVICE

Professional Service

Promotion and Tenure Review for an assistant professor (Fall 2010).

Promotion and Tenure Review for an assistant professor (Fall 2009).

NATIONAL SCIENCE FOUNDATION Review panel, Geography and Regional Science, 2007-2009

Promotion and Tenure Review for two assistant professors (Fall 2008).

Promotion and Tenure Review for an assistant professor (Fall 2007).

External Reviewer for Thomas E. Heinsohn's Doctoral thesis from the Australian National University, Canberra, Australian Capital Territory (2007). Thesis entitled, "Secret life of the cuscus and the cassowary: The crypto-anthropogenic factor and zoogeographic interpretation in the Indo-Australian Archipelago and Oceania 1846-2006," 612pp. Responsibility as external committee member in final formal evaluation of dissertation research prior to awarding Ph.D.

President, ASU Chapter, Sigma-Xi, the Scientific Research Society (2001-2003). Organized the annual operations of the ASU chapter of the multi-disciplinary research society, including the annual meetings, speakers for luncheons and banquets, Grants-in-Aid of Research Program supporting competition to support the best graduate student research at ASU.

Council for the Committee on Archaeological Policy, American Schools of Oriental Research (2002-present). CAP supports American archaeological research in the Middle East and Eastern Mediterranean, sets archaeological policy (including Policy on International Cooperation and Policy on Preservation) and coordinates projects with the governments of Israel, Cyprus, Jordan and Iraq.

External Reviewer for Ph.D. Thesis by Janelle Stevenson entitled: 'Late Quaternary environmental change and the impact of Melanesian Colonisation in New Caledonia,' University of New South Wales, Sydney (1999). Responsibility as external committee member in final formal evaluation of dissertation research prior to awarding Ph.D.

Panel Reviewer for Western North America Paleoclimate Database – National Oceanic and Atmospheric Administration's (NOAA) National Geophysical Data Center (NGDC) (1994-1998). NOAA's NGDC provides scientific stewardship for geophysical data regarding the earth, its oceans and atmosphere. I reviewed paleoclimatic data from biological sources (e.g., pollen and plant macrofossils from

- terrestrial sediments) for the creation of the North American Pollen Database and North American Plant Macrofossil Database.
- Board Member Biogeography Specialty Group, *Association of American Geographers* (1993-1996). I organized the submission and review of the graduate student research paper competition at the annual meetings of the AAG.
- Member, Mackin Grant Award Committee, *Geological Society of America* (1993-1994). Reviewer for proposals to support graduate student research in Quaternary geology and geomorphology through the Mackin Grant program of the GSA.
- National Conference Organizer, *Annual Meetings of the Society for Ethnobiology*, 250 participants, (with coorganizers C. Redman [Anthropology], K. Spielmann [Anthropology], and G. Nabhan [Botany and the Desert Botanical Gardens]), Tempe (1990). Conference incorporates an international audience of scientists conducting cross-disciplinary research concerning the interactions of human cultures with plants and animals in the past and present.
- Organizer and Chair (with K. Spielmann) for the Plenary Session, "Research Directions in Ethnobiology." *Annual Meetings of the Society for Ethnobiology*, Tempe. Also served on the Lawrence Award Committee for Best Student Presentation (1990).
- Manuscripts Reviewed for Professional Journals (1989-2010):
- Annals of the Association of American Geographers*
 - Arctic and Alpine Research*
 - Bulletin of the American Schools of Oriental Research*
 - Canadian Journal of Botany*
 - Grana*
 - Holocene*
 - Human Ecology*
 - Journal of Archaeological Science*
 - Journal of the Arizona-Nevada Academy of Science*
 - Journal of Biogeography*
 - New Phytologist*
 - Palaeoclimatology, Palaeogeography, and Palaeoecology*
 - Palynology*
 - Physical Geography*
 - Professional Geographer*
 - Quaternary Research*
 - Review of Palaeobotany and Palynology*
 - U.S. Water Conservation Papers*
- Proposals Reviewed for Granting Agencies:
- National Science Foundation
 - National Geographic Society
- Textbooks Reviewed for National Publishers:
- J. Wiley and Sons

MacMillan Publishing Company
Prentice Hall

University Service

Graduate College, Outstanding Graduate Mentor Award Selection Committee; 2011.

Graduate College, Outstanding Graduate Mentor Award Selection Committee; 2010.

Graduate College, Outstanding Graduate Mentor Award Selection Committee; 2009.

Graduate College, Outstanding Graduate Mentor Award Selection Committee; 2008.

Departmental Representative to the Committee on Islamic Studies, Arizona State University, 2002-present. Member of university-wide planning and steering committee for Islamic Studies and foreign language courses, as well as program leading to undergraduate certificate in Islamic Studies.

Member, Search Committee, Southwest Borderlands Initiative, Joint Faculty Appointment between the Departments of Geography and Planning, 2003-2004.

Graduate College Representative for Ph.D. Defense (Hill, Anthropology), 2002.

Graduate College Representative for Ph.D. Defense (Anthropology), 2001.

Display Organizer for Earth Science Day, 1998, 1999, 2000.

Graduate Students in Earth and Life Sciences Conference, Judge for papers and posters, 1999, 2000, 2001.

Graduate College Representative for Ph.D. Defense (Geology), 1999.

Member, Urban Long-term Ecological Research (LTER) Committee, 1996-1997.
Department of Geography representative in LTER collaboration that prepared proposal to the NATIONAL SCIENCE FOUNDATION; Central Arizona Project (CAP-LTER) awarded 1998.

Graduate College Representative for Ph.D. Defense (Suzan-Azpiri, Botany), 1995.

Graduate College Representative for Ph.D. Defense (Kozak, Anthropology), 1994.

College Service

College of Liberal Arts and Sciences, Senator, representing the School of Geographical Sciences & Urban Planning, 2010-13.

Affiliate Professor, School of Human Evolution and Social Change, 2006-present.
 Professor for graduate seminar: “Landscape Change: Human and Natural Causes;”
 previous courses taught in SHESC: “Paleoecology,” “Palynology,” and
 “Quaternary Environments.” Advisor and graduate research committee member,
 M.A. thesis and Ph.D. dissertation committees.

Director, Laboratory of Paleoecology and Palynology, joint laboratory facilities and
 resources of the Schools of Geographical Sciences and Human Evolution and
 Social Change, 2000-present. Supervisor of laboratory research projects, facilities
 and paleobotanical collections drawn together from School of Geographical
 Sciences, SoLS, SHESC, ASU herbarium.

Member, Ecological Concentration Steering Committee, 1994-1997. Ecology
 Concentration led to establishment of the program of Ecology, Evolution and
 Environmental Sciences within the School of Life Sciences.

School of Geographical Sciences Service

- 2010-2011:** Chair, School Graduate Research Examination Committee
 CLAS Senator
 Faculty Advisor, SWIG
- 2009-2010:** Faculty Advisor, SWIG
 Promotion and Tenure subcommittee
 3rd year review subcommittee
 2009- Member, Graduate Recruiting and Admissions Committee
- 2008-2009:** Chair, Graduate Policy Committee
 Member, Graduate Recruiting and Admissions Committee
- 2007-2008:** Chair, Graduate Policy Committee
- 2006-2007:** Chair, Graduate Recruiting and Admissions Committee
 Member, Executive Committee
 Member, Search Committee for Director, School of Geographical
 Sciences
- 2005-2006:** Chair, Graduate Recruiting and Admissions Committee
 Member, Computer Committee
- 2004-2005:** Sabbatical Leave
- 2003-2004:** Member, Personnel Committee
 Faculty Secretary
- 2002-2003:** Chair, Personnel Committee
 Member, Graduate Program Committee

- Member, Search Committee, Faculty Position in Surface Water Processes
- 2001-2002:** Co-Organizer, Departmental Colloquium Series
Member, Executive Committee
Member, Search Committee, Faculty Position in Human Geography,
Latin Americanist
Member, Affirmative Action Committee
- 2000-2001:** Chair, Graduate Admissions Committee
Member, Personnel Committee
- 1999-2000:** Member, Undergraduate Committee
Member, Affirmative Action Committee
- 1998-1999:** Member, Undergraduate Curriculum Committee
Organizer, Departmental Forum Series
- 1997-1998:** Sabbatical Leave
- 1996-1997:** Chair, Graduate Committee
Member, Executive Committee
- 1995-1996:** Member, Personnel Committee
Member, Graduate Committee
- 1994-1995:** Member, Personnel Committee
Member, Undergraduate Committee
- 1993-1994:** Member, Personnel Committee
Member, Ph.D. Committee
Organizer, Departmental Forum Series
- 1992-1993:** Member, Graduate Committee
- 1991-1992:** Member, Undergraduate Curriculum Committee
Member, Master's Committee
Member, Graduate Committee
- 1990-1991:** Member, Undergraduate Curriculum Committee
Member, Affirmative Action Committee
Member, Master's Committee
Member, Personnel Committee
Member, Search Committee for Departmental Chair
- 1989-1990:** Member, Undergraduate Curriculum Committee
Member, Affirmative Action Committee
Member, Search Committee, Faculty Position in Human Geography

Research Publicity

"Digs shed light on Bronze Age farming," *Cyprus Weekly*, July 23-29, 2010.

Workshop for personnel from US Embassy, Nicosia, Cyprus: "Embassy Goes Back in Cypriot Time with Visiting American Scholars"

<<http://cyprus.usembassy.gov/EmbatWork/PoliticoJun10.htm>>.

Live broadcast interview about Politiko-Troullia on the "Rosie Charalambous Show," *Cyprus Radio*, August 2009.

"American archaeologists excavate Politiko Troullia," *Antenna TV, Channel 8*, Cyprus, June 2006.

"Early civilization and its impacts in the Jordan Valley," *Anthropology ASU*, pp. 3-4, May 2003.

"Juggling heritage and economic growth," *Jordan Times*, p. 5, March 1, 2000.

"ASU team heads to Jordan to search site that may be Gomorrah," *Mesa/Tempe Tribune*, October 1999.

"ASU field school eyes Old Testament sites," *ASU Insight*, pp. 1, 6, September 3, 1999.

"Students invited to Jordan expeditions," *ASU State Press*, p. 6, August 23, 1999.

"Garbage shines like gold when digging for history," *ASU Research*, p. 10, Fall 1998.

"Rare Early Bronze Age settlements in north Jordan Valley help reconstruct ancient economies, lifestyles," *Jordan Times*, July 16, 1997.

"ASU's Canaan dig looks at farm life," *Mesa/Tempe Tribune*, p. A5, May 11, 1997.

"Glorified garbologists' unearth clues from Bronze Age in Jordan countryside," *ASU Insight*, p. 8, April 11, 1997.

"Sun Devils meet dust devils in 'whirlwind' Middle Eastern field school," *ASU Insight*, p. 8, April 11, 1997.

"Country life, circa 2900 B.C.," *Baltimore Sun*, pp. B1, B3, May 11, 1993.

"Sophisticated Canaanite Hamlets," *Archaeology* 46(3): 2425, May/June 1993.

"Mystery of the Canaanite Temples," *ASU Research*, pp. 78, Winter 1993.

"Rattenklo als Zeitzeuge," *Bild der Wissenschaft* [Germany], December 1992.

"Pack rats reveal the riddle of the sands," *The Observer* [London], p. 40, October 25, 1992.

"NEH Grant could help solve mystery of Canaanite temples," *ASU Insight*, p. 2, September 14, 1992.

"Pack rat historians," *Natural History*, pp. 2429, February 1991.