DOUGLAS W. BIRD Department of Anthropology · Pennsylvania State University

207 Welch Bldg
University Park PA 16803 USA

Tel. +1-650-283-6853
dwb557@psu.edu

EDUCATION

1997-99	Post-doctoral Fellow, University of Washington; Behavioral Ecology focus, Eric A. Smith, Advisor.
1996	PhD Anthropology, University of California, Davis; Evolutionary Wing, John Beaton and James F. O'Connell, Advisors.
1993	MA Anthropology, University of California, Davis; Archaeology focus
1991	BA Anthropology (Honors), *magna cum laude*, University of Utah; Archaeology focus

ACADEMIC APPOINTMENTS

Current

2023-pres	Professor of Anthropology, Pennsylvania State University
2020-pres	Faculty Senator (elected), Penn State University
2015-pres	Senior Faculty, Intercollege Graduate Program in Ecology, Huck Institute, Penn State University
2016-pres	Senior Faculty, Dual-title PhD Program in Transdisciplinary Research on Environment and Society, Penn State
2015-pres	Co-Director and Principal Investigator, the Human Environmental Dynamics Lab, Penn State

Previous

2018-24	Senior Faculty, Co-PI LandscapeU: NSF Graduate Traineeship in Regenerative Landscape Science, Penn State
2021-23	Chair, Faculty Senate Committee on Educational Equity and Campus Environment, Penn State
2015-23	Associate Professor of Anthropology, Penn State
2019-23	Director of Undergraduate Studies, Dept of Anthropology, Penn State
2011-15	Senior Research Scientist, Woods Institute for the Environment, Bill Lane Center for the American West, Dept of Anthropology, Stanford University
2011-15	Director, Comparative Wests Project, Bill Lane Center for the American West, Stanford University
2004-11	Assistant Professor (Research), Dept of Anthropological Sciences, Stanford University
2001-04	Assistant Research Professor, Dept of Anthropology and Climate Change Institute, University of Maine
2001-03	Research Fellow, Departments of Human Anatomy & Biology, and Anthropology, University of Western Australia
2000-01	Assistant Research Professor, Dept of Anthropology, University of Utah
1999	Assistant Professor, Environmental Dynamics Program and Anthropology, University of Arkansas
1997-99	Post-Doctoral Fellow, Dept of Anthropology, University of Washington, E.A. Smith, Advisor
1996	Adjunct Assistant Professor, Dept of Anthropology, University of Utah
1996	Instructor, Dept of Anthropology, University of California, Davis
1994-95	Visiting Scholar, Department of Anthropology, Australian National University
1994	Visiting Scholar, Australian Institute of Aboriginal and Torres Strait Islander Studies

RESEARCH

Primary research interests: human ecological dynamics, Indigenous livelihoods and land use, ethnoarchaeology, behavioral ecology, Australia, Western US

2000-pres **The Martu Ecological Anthropology Project.** Principal Investigator and Co-Director with R. Bliege Bird (Penn State): a quantitative study of livelihoods, ecosystem function, and their archaeological expressions in remote Western Desert Indigenous lands, Australia (61 months of fieldwork completed).

Funded by the National Science Foundation, the Australian Research Council, the Max Planck Institute, the Woods Institute for the Environment, the Leakey Foundation, and the Christensen Fund. https://www.nytimes.com/2019/02/08/science/australia-aboriginal-fires-martu.html

2011-15 **The Comparative Wests Project**. Principal Investigator and Co-Director with John Christensen (UCLA), Richard White (Stanford), and Brian Codding (U Utah): a transdisciplinary, inter-institutional project on the construction and transformation of environments that emerge from interaction between Indigenous people and settler colonialism in arid lands. Funded by the Mellon Foundation, the Woods Institute for Environment, and the National Science Foundation.

2008-11 Co-PI with F. Micheli (Stanford) and D. McCauley (UC Santa Barbara), an interdisciplinary approach to understanding the **effects of Indigenous fishing on coral reef ecosystems**, Palmyra and Tabuaeran Islands, Kiribati, Micronesia. Funded by the Woods Institute for the Environment.

2002-08 Co-PI with J. O'Connell (U Utah), field research on the **economic utility of geophytes** (roots, tubers, corms) traditionally important to Native Americans in the northern Great Basin, Surprise Valley, CA/NV (6 months fieldwork). Funded by the National Science Foundation.

1997-00 Post-doctoral research. **The Meriam Ecological Anthropology Project.** PI and co-director with R. Bliege Bird, E.A. Smith (U Washington), and P. Veth (U Western Australia): quantitative study of contemporary marine subsistence ecology and coastal archaeology on the Meriam Islands, Torres Strait, Australia (16 months fieldwork). Funded by the National Science Foundation and the Australian Research Council.

1993-96 Doctoral research. **Intertidal foraging strategies among the Meriam** of the Torres Strait Islands, Australia (13 months fieldwork). Funded by the National Science Foundation, the Leakey Foundation, and the Australian Institute of Aboriginal and Torres Strait Islander Studies.

1989-95 Cultural resource management and archaeological investigations of organization of **subsistence economies in the Great Basin and Colorado Plateau**, Western US., Intermountain Research (PI, Robert Elston, Silver City, NV) and P-III Associates (PI, Alan Schoedel, Salt Lake City, UT).

PUBLICATIONS *indicates formal peer review

Books

1. ***Bird, D.W.** and Bliege Bird, R., in collaboration with Nyalangka Taylor and Desmond Taylor (2026). *Aboriginal Homelands and Economy in Australia's Western Desert: Martu Ngurrara*. Cambridge University Press.

Journal articles

2. *Morin, E., **Bird, D.W**., Bliege Bird, R., and Winterhalder, B. (2024). Why do humans hunt cooperatively? Ethnohistoric data reveal the contexts, advantages and evolutionary importance of communal hunting. *Current Anthropology*, 65(5), 876-921.

3. *Bliege Bird, R., **Bird, D.W.**, McGuire, C., Greenwood, L., Taylor, D., Williams, T.M., Martine, C.T., Veth, P.M. (2024). Seed dispersal by Martu peoples promotes the distribution of native plants in arid Australia. *Nature Communications*, 15(1), 6019.

4. *Smithwick, E. A., Baka, J., **Bird, D.W.**, Blaszscak-Boxe, C., Cole, C. A., Fuentes, J.D., ... and Keller, K. (2023). Regenerative landscape design: an integrative framework to enhance sustainability planning. *Ecology and Society,* 28(4), 5.

5. *Snitker, G, Roos, C.I, Sullivan, A.P, Maezumi, S.Y., **Bird, D.W**., Coughlan, M.R., Derr, K.M, Gassaway, L., Klimaszewski-Patterson, A., Rachel, R.A., and Loehman, A. (2022). A collaborative agenda for archaeology and fire science. *Nature Ecology & Evolution,* 6, 835–839.

6. *Morin, E., **Bird, D.W.**, Winterhalder, B., and Bliege Bird, R. (2022). Deconstructing hunting returns: Can we reconstruct and predict payoffs from pursuing prey? *Journal of Archaeological Method and Theory*, *29,* 561–623.

7. *Bliege Bird, R., and **Bird, D.W.** (2021). Climate, landscape diversity, and food sovereignty in arid Australia: The firestick farming hypothesis. *American Journal of Human Biology*, 33(4), e23527.

8. *Morin, E., Bliege Bird, R, and **Bird, D.W.** (2020). Mass procurement and prey rankings: insights from the European rabbit. *Archaeological and Anthropological Sciences*, *12*(11), 1-14.

9. *Bliege Bird, R., McGuire, C., **Bird, D.W.**, Price, M.H., Zeanah, D.W., and Nimmo, D.G. (2020) Fire mosaics and habitat choice in nomadic foragers. *Proceedings of the National Academy of Sciences, USA*, 117, 12904-12914.

10. *Altschul, J. H., Kintigh, K.W., Aldenderfer, M., Alonzi, E., Armit, I., Barceló, J.A., **Bird, D.W.** ... and Isayev, E. (2020). To understand how migrations affect human securities, look to the past. *Proceedings of the National Academy of Sciences*, *USA*, 117(34), 20342-20345.

11. *Koster, J., McElreath, R., Yu, D., Shepard, G., Vliet, N.V., Gurven, M., Trumble, B., Bliege Bird, R., **Bird, D.W.**, … and Winterhalder (2020). The life history of human foraging: cross-cultural and individual variation. *Science Advances*, 6(26), eaax9070.

12. ***Bird, D.W.**, R. Bliege Bird, B.F. Codding, and D.W. Zeanah (2019). Variability in the organization and size of hunter-gatherer groups: foragers do not live in small-scale societies. *Journal of Human Evolution,* 131, 96-108.

13. *Crabtree, S.A., **D.W. Bird**, and R. Bliege Bird (2019). Subsistence transitions and the simplification of ecological networks in the Western Desert of Australia. *Human Ecology*, 47(2), 165-177.

14. *Power, M.J., B.F. Codding, A.H. Taylor, T.W. Swetnam, K.E. Magargal, **D.W. Bird**, and J.F. O'Connell (2018). Human legacies on ecological landscapes. *Frontiers in Earth Science,* 6, 151.

15. *Bliege Bird, R., **D.W. Bird**, L. Fernandez, N. Taylor, W. Taylor, and D. Nimmo (2018). Aboriginal burning promotes fine-scale pyrodiversity and native predators in Australia's Western Desert. *Biological Conservation,* 219, 110-118.

16. *Zeanah, D.W., B.F. Codding, R. Bliege Bird, and **D.W. Bird** (2017). Mosaics of fire and water: the co-emergence of anthropogenic landscapes and intensive seed exploitation in the Australian arid zone. *Australian Archaeology,* 83, 2-19.

17. *Capriles, J.M., J. Albarracin-Jordan**, D.W. Bird**, S.T. Goldstein, G.M. Jarpa, S.C. Maldonado, and C.M. Santoro (2017). Mobility, subsistence, and technological strategies of early Holocene hunter-gatherers in the Bolivian Altiplano. *Quaternary International*, 473, 190-205

18. ***Bird, D.W.** and R. Bliege Bird (2017). Signaling theory and durable symbolic expression. *The Oxford Handbook of the Archaeology and Anthropology of Rock Art* DOI: 10.1093/ oxfordhb/ 9780190607357.013.39.

19. *Sullivan, A., **D.W. Bird**, G.H. Perry (2017). Human behavior as a long-term ecological driver of non-human evolution. *Nature Ecology & Evolution,* 1(3), 1-11.

20. ***Bird, D.W.**, R. Bliege Bird, Nyalangka Taylor, B.F. Codding (2016). A landscape architecture of fire: cultural and ecological emergence in Australia's Western Desert. *Current Anthropology,* 57(S13), S65-S79.

21. ***Bird, D.W.**, R. Bliege Bird, B.F. Codding (2016). Pyrodiversity and the anthropocene: the role of fire in the broad spectrum revolution. *Evolutionary Anthropology,* 25, 105-116.

22. ***Bird, D.W.** (2016). The roots of the question: Surprise Valley, Alyawarra, and the early development of James F. O'Connell's ethnoarchaeology. *Journal of Anthropological Archaeology,* 44, 149-157.

23. *Codding, B.F., D.W. Zeanah, R. Bliege Bird, C.H. Parker, and **D.W. Bird** (2016). Martu ethnoarchaeology: foraging ecology and the marginal value of site structure. *Journal of Anthropological Archaeology* 44:166-176.

24. *Klein, R.G. and **D.W. Bird** (2016). Shellfishing and human evolution. *Journal of Anthropological Archaeology,* 44, 198-205.

25. *Bliege Bird, R., B.F. Codding, **D.W. Bird** (2016). People, ENSO, and fire in Australia: fire regimes and climate controls in hummock grasslands. *Philosophical Transactions B,* 371(1696), 20150343.

26. Codding, B.F., **D.W. Bird**, and R. Bliege Bird (2015). The real cost of closing remote communities. *Arena Magazine,* 135, 5-7.

27. *Codding, B.F., **D.W. Bird**, and R. Bliege Bird (2015). Why not work for the mine? Costs and benefits of extractive economies in remote Aboriginal Australia. *Cultural Anthropology* HotSpots, http://culanth.org/fieldsights/771-why-not-work-for-the-mine-costs-and-benefits-of-extractive-economies-in-remote-aboriginal-australia.

28. *Zeanah, D.W., B.F. Codding, **D.W. Bird**, R. Bliege Bird, and P. Veth (2015). Diesel and damper: changes in seed use and mobility following contact amongst the Martu of Western Australia. *Journal of Anthropological Archaeology,* 39, 51-62.

29. *Codding, B.F. and **D.W. Bird** (2015). Behavioral ecology and the future of archaeological science. *Journal of Archaeological Science,* 56, 9-20.

30. *Codding, B.F., R. Bliege Bird, P. Kauhanen, **D.W. Bird** (2014). Conservation or co-evolution? Intermediate levels of Aboriginal burning and hunting have positive effects on kangaroo populations in Western Australia. *Human Ecology,* 42: 659-669.

31. *Codding, B.F., J.F. O'Connell, **D.W. Bird** (2014). Shellfishing and the colonization of Sahul: a multivariate model evaluating the dynamic effects of prey utility, transport costs and life history on foraging patterns and midden composition, *Journal of Island and Coastal Archaeology* 9:238–252.

32. *Codding, B.F., Whitaker, A.R., **D.W. Bird** (2014). Global patterns in the exploitation of shellfish. *Journal of Island and Coastal Archaeology*, 9:145–149.

33. *McCauley, D.J., H.S. Young, R. Guevara, G.J. Williams, E. Power, R.B. Dunbar, **D.W. Bird**, W. Durham, F. Micheli (2014). Positive and negative effects of a threatened parrotfish on reef ecosystems. *Conservation Biology* 28:1312-1321.

34. *Scelza, B.A., **D.W. Bird**, R. Bliege Bird (2014). Bush tucker, shop tucker: production, consumption and diet at an Aboriginal outstation. *Ecology of Food and Nutrition* 53:98-117.

35. ***Bird, D.W.**, B.F. Codding, R. Bliege Bird, D.W. Zeanah, C.J. Taylor (2013). Megafauna in a continent of small game: archaeological implications of Martu camel hunting in Australia's Western Desert. *Quaternary International* 297:155-166.

36. *Bliege Bird, R., N. Taylor, B.F. Codding, **D.W. Bird** (2013). Niche construction and Dreaming logic: Aboriginal patch mosaic burning and varanid lizards (*Varanus gouldii*) in Australia. *Proceedings of the Royal Society B*, 280:20132297.

37. Codding, B.F. and **D.W. Bird** (2013). Finding fire: a global perspective on traditional burning in California. *California Archaeology*, 5:1-10.

38. *McCauley, D.J., E. Power, H.S. Young, A. McInturff, R.B. Dunbar, **D.W. Bird**, W. Durham, F. Micheli (2013). Conservation at the edge of the world. *Biological Conservation* 165:139-145.

39. *Jones, J.H., R. Bliege Bird, **D.W. Bird** (2013). To kill a kangaroo: understanding the decision to pursue high-risk/high-gain resources. *Proceedings of the Royal Society B* 280:20131210.

40. *Blue, E., **D.W. Bird**, J. Christensen, B.F. Codding, R. White (2013). Comparative Wests: an introduction. *Occasion: Interdisciplinary Studies in the Humanities,* vol.5. http://arcade.stanford.edu/occasion/introduction-comparative-wests

41. ***Bird, D.W.**, B.F. Codding, R. Bliege Bird, D.W. Zeanah (2012). Risky pursuits: implications of Martu hunting strategies for archaeological measures of subsistence change. *American Antiquity* 77:186-194.

42. *Bliege Bird, R., B.F. Codding, P. Kauhanen, **D.W. Bird** (2012). Aboriginal hunting buffers climate-driven fire-size variability in Australia's spinifex grasslands. *Proceedings of the National Academy of Sciences, USA* 109:10287-10292.

43. *Bliege Bird, R., B. Scelza, **D.W. Bird**, E.A. Smith (2012). The hierarchy of virtue: mutualism, altruism, and signaling in Martu women's cooperative hunting. *Evolution and Human Behavior* 33:64-78.

44. *Codding, B.F., R. Bliege Bird, **D.W. Bird** (2011). Provisioning offspring and others: risk-energy trade-offs and gender differences in hunter-gatherer foraging strategies. *Proceedings of the Royal Society B* 278:2502-2509.

45. *Codding, B.F., **D.W. Bird**, R. Bliege Bird (2010). Interpreting abundance indices: some zooarchaeological implications of Martu foraging. *Journal of Archaeological Science* 37:3200-3210.

46. ***Bird, D.W.**, R. Bliege Bird, B.F. Codding (2009). In pursuit of mobile prey: Martu hunting strategies and archaeofaunal interpretation. *American Antiquity* 74:3-29.

47. *Bliege Bird, R., B.F. Codding, **D.W. Bird** (2009). What explains differences in men's and women's production? Determinants of gendered foraging inequalities among Martu. *Human Nature* 20:105-129.

48. **Bird, D.W.** (2009). The inherent value of foraging. *Arena Magazine* 98:30-33.

49. *Bliege Bird, R., **D.W. Bird**, B.F. Codding, C. Parker, J.H. Jones (2008). The "fire stick farming" hypothesis: Australian Aboriginal foraging strategies, biodiversity and anthropogenic fire mosaics. *Proceedings of the National Academy of Sciences, USA* 105:14796-14801.

50. *Bliege Bird, R. and **D.W. Bird** (2008). Why women hunt: risk and contemporary foraging in a Western Desert Aboriginal community. *Current Anthropology* 49:655-693.

51. ***Bird, D.W.** and J.F. O'Connell (2006). Behavioral ecology and archaeology. *Journal of Archaeological Research* 14:143-188.

52. ***Bird, D.W.**, R. Bliege Bird, C.H. Parker (2005). Aboriginal burning regimes and hunting strategies in Australia's Western Desert. *Human Ecology* 33:443-464.

53. ***Bird, D.W.**, R. Bliege Bird, C.H. Parker (2004). Women who hunt with fire. *Australian Aboriginal Studies*, 2004(1): 90-96.

54. ***Bird, D.W.**, R. Bliege Bird, J.L. Richardson (2004). Meriam ethnoarchaeology: shellfishing and shellmiddens. *Memoirs of the Queensland Museum, Cultural Heritage Series* 3(1):183-197.

55. *Carter, M., A. Barham, S. O'Connor, P. Veth, **D.W. Bird**, R. Bliege Bird (2004). The Meriam Islands archaeological project: preliminary results of excavations on Mer and Dauar, eastern Torres Strait. *Memoirs of the Queensland Museum, Cultural Heritage Series* 3(1):164-182.

56. **Bird, D.W.**, R. Bliege Bird, C.H. Parker (2003). Women who hunt with fire: Aboriginal resource use and fire regimes in Australia's Western Desert. *Arid Lands Newsletter* 54:1092-5481.

57. *Smith, E.A., R. Bliege Bird, **D.W. Bird** (2003). The benefits of costly signaling: Meriam turtle hunters and spearfishers. *Behavioral Ecology* 14:116-126.

58. ***Bird, D.W.**, J.L. Richardson, P.M. Veth, A.J. Barham (2002). Explaining shellfish variability in middens on the Meriam Islands, Torres Strait Australia. *Journal of Archaeological Science,* 29:457-469.

59. ***Bird, D.W.** and R. Bliege Bird (2002). Children on the reef: slow learning or strategic foraging? *Human Nature* 13:269-298.

60. *Bliege Bird, R. and **D.W. Bird** (2002). Constraints of knowing or constraints on growing? Fishing and collecting among the children of Mer. *Human Nature* 13:239-268.

61. *Bliege Bird, R., **D.W. Bird**, E.A. Smith, G. Kushnick (2002). Risk and reciprocity in Meriam food sharing. *Evolution and Human Behavior* 23:297-321.

62. *Bliege Bird, R., E.A. Smith, **D.W. Bird** (2001). The hunting handicap: costly signaling in male foraging strategies. *Behavioral Ecology and Sociobiology* 50:9-19.

63. ***Bird, D.W.** and R. Bliege Bird (2000). The ethnoarchaeology of juvenile foraging: shellfishing strategies among Meriam children. *Journal of Anthropological Archaeology* 19:461-476.

64. ***Bird, D.W.** (1997). Behavioral ecology and the archaeological consequences of central place foraging among the Meriam. *Archaeological Papers of the American Anthropological Association* 7:291-306.

65. ***Bird, D.W.** and R. Bliege Bird (1997). Contemporary shellfish gathering strategies among the Meriam of the Torres Strait Islands, Australia: testing predictions of a central place foraging model. *Journal of Archaeological Science* 24:39-63.

66. *Bliege Bird, R. and **D.W. Bird** (1997). Delayed reciprocity and tolerated theft: the behavioral ecology of food sharing strategies. *Current Anthropology* 38:49-78.

67. Bliege Bird, R., E.A. Smith, **D.W. Bird** (1997). Quantitative ethnography and the study of human behavior. *AnthroQuest* 1997(4): 1-5.

68. **Bird, D.W.** (1996*) Intertidal Foraging Strategies Among the Meriam of the Torres Strait Islands, Australia: An Evolutionary Ecological Approach to the Ethnoarchaeology of Tropical Marine Subsistence*. PhD Thesis, University of California, Davis.

69. *Bliege Bird, R., **D.W. Bird**, J.M. Beaton (1995). Children and traditional subsistence activities on Mer (Murray Island), Torres Strait, Australia. *Australian Aboriginal Studies* 1995(1): 2-17.

Invited book chapters **indicates formal peer review*

70. *Koster, J. and **Bird, D.W.** (2024). Foraging strategies. In: *Human Behavioral Ecology*, J. Koster, B. Scelza, and M. Shenk (eds), pp. 48-75. University of Cambridge Press: Cambridge.

71. *Codding, B. F., Bliege Bird, R., Zeanah, D. W., and **Bird, D. W.** (2024). Resource acquisition risk and the division of labor: Austral Lessons for hunter-gatherer archaeology. In *Cultural Landscapes and Long-Term Human Ecology*, E. Robinson, S.K. Harris, B.F. Codding (eds), pp. 129-146. Springer International Publishing: Cham.

72. *Zeanah, D. W., Codding, B. F., **Bird, D. W.**, Bliege Bird., McGuire, C., Jones, G. T., and Elston, R. G. (2023). The role of theory and ethnographic analogies in understanding paleoindian obsidian acquisition, mobility, and mating strategies in the Great Basin. In *Archaeology on the Threshold*, J. Wardle, R. Hitchcock, M. Schmander, and P.L. Yu (eds), pp. 18-35. University Press of Florida: Gainesville.

73. *Bliege Bird, R., Codding, B.F., and **Bird, D.W.** (2016). Economic, social and ecological contexts of hunting, sharing and fire in the Western Desert of Australia. In *Why Forage? 21st Century Hunting and Gathering,* B.F. Codding and K. Kramer (eds), pp. 213-230. University of New Mexico Press: Santa Fe.

74. *Codding, B.F., R. Bliege Bird, **D.W. Bird**, and D.W. Zeanah (2016). Alternative Aboriginal economies: Martu livelihoods in the 21st Century. In *Why Forage? 21st Century Hunting and Gathering,* B.F. Codding and K. Kramer (eds), pp. 185-211. University of New Mexico Press: Santa Fe.

75. ***Bird, D.W.** and J.F. O'Connell (2012). Human behavioral ecology. In *Archaeological Theory Today, 2nd Edition*, I. Hodder (ed.), pp. 37-61. Cambridge: Polity Press.

76. Codding, B.F., **D.W. Bird**, T.L. Jones (2012). A land of work: foraging behavior and ecology. In *California: Contemporary Issues in the Archaeology of a Goodly Llande*, T.L. Jones and J.E. Perry (eds). Walnut Creek: Left Coast Press.

77. ***Bird, D.W.** and R. Bliege Bird (2010). Competing to be leaderless: food sharing and magnanimity among Martu Aborigines. In *The Evolution Of Leadership: Transitions In Decision Making From Small-Scale To Middle-Range Societies,* J. Kanter, K. Vaughn and J. Earkins (eds), pp. 21-49. Santa Fe: SAR Press.

78. **Bird, D.W.**, R. Bliege Bird, C.H. Parker (2010). Burning and hunting in Australia's Western Desert. In *Human Ecology: Contemporary Research and Practice*, D.G. Bates and J. Tucker (eds), pp. 127-143. New York: Springer.

79. ***Bird, D.W.** and B.F. Codding (2008). Human behavioral ecology and the use of ancient landscapes. In *Handbook of Landscape Archaeology*, B. David and J. Thomas (eds), pp. 396-408. Walnut Creek, CA: Left Coast Press.

80. *Bliege Bird, R. and **D.W. Bird** (2005). Human hunting seasonality. In *Primate Seasonality: Studies of Living and Extinct Human and Nonhuman Primates*, D. Brockman and C. van Shaik (eds.), pp. 243-266. Cambridge: Cambridge University Press.

81. ***Bird, D.W.** and R. Bliege Bird (2005). Martu children's hunting strategies in the Western Desert, Australia. In *Hunter-Gatherer Childhoods: Evolutionary, Developmental & Cultural Perspectives*, B.S. Hewlett and M.E. Lamb (eds), pp. 129-146. New Brunswick: Aldine Transaction.

82. ***Bird, D.W.** and R. Bliege Bird (2005). Evolutionary and ecological understandings of the economics of desert societies. In *Desert Peoples: Archaeological Perspectives*, P.M. Veth, M. Smith, and P. Hiscock (eds), pp. 81-99. London: Blackwell Scientific.

83. Carter, M, P. Veth, A. Barham, **D.W. Bird**, S. O'Connor, R. Bliege Bird. (2004). Archaeology of the Murray Islands, Torres Strait: implications for a regional prehistory. In R. Davis (ed.) *Woven Histories, Dancing Lives: Torres Strait Islander Identity, Culture and History*, pp. 234-258. London: Australian Aboriginal Studies Press.

84. **Bird, D.W.** (2002). Human foraging strategies: human diet and food practices. In the *Encyclopedia of Evolution*, M. Pagel (ed). Oxford: Oxford University Press.

Commentaries, book reviews

85. **Bird, D.W.** (2015). Securing a platform for imagining the past: a review of Scott Cane's *First Footprints: The Epic Story of the First Australians*. *Australian Archaeology* 80:145-146.

86. Bliege Bird, R., **D.W. Bird** (2015). Asking the right questions: a comment on Scherjon et al.'s, Burning the land: an ethnographic study of off-site fire use by current and historically documented foragers and implications for the interpretation of past fire practices in the landscape. *Current Anthropology* 56:314-315.

87. McCauley, D.J., E. Power, H.S. Young, A. McInturff, R.B. Dunbar, **D.W. Bird**, W. Durham, F. Micheli (2014). Pushing back against paper-park pushers – Reply to Craigie et al. *Biological Conservation* 172:223-224.

88. Price, M.H. and **D.W. Bird** (2013). Interpreting the evidence of middle Holocene gene flow from India to Australia. *Proceedings of the National Academy of Sciences* doi:10.1073/pnas.1306505110.

89. Codding, B.F., R. Bliege Bird, **D.W. Bird** (2011). Women, men, risk and energy: a reply to Koster's paradox of Aché foraging. *Proceedings of the Royal Society B* doi:10.1098/rspb.2011.1458.

90. **Bird, D.W.** and R. Bliege Bird (2001). Comment on K. Hawkes et al.: Hunting and nuclear families: some lessons from the Hadza about men's work. *Current Anthropology* 42:696-697.

91. Hawkes, K., R. Bliege Bird, **D.W. Bird** (1998). Comment on D.S. Wilson: Hunting, sharing, and multilevel selection. *Current Anthropology* 39:89-90.

92. **Bird, D.W.** and R. Bliege Bird (1997). The science of foragers: evaluating variability among hunter-gatherers. *Antiquity* 71:477-480.

Reprinted publications

93. Smith, E.A., R. Bliege Bird, **D.W. Bird** (2017). The benefits of costly signaling: Meriam turtle hunters and spearfishers. *Behavioral Ecology* 28(5). Reprinted from (2003) *Behavioral Ecology* 14:116-126.

94. Bliege Bird R., E.A. Smith, and **D.W. Bird** (2012, 2016). The hunting handicap: costly signaling in human foraging strategies. In: R.J McGee and R. Warms, eds, *Anthropological Theory: An Introductory History*, 5th and 6th editions. McGraw-Hill Higher Education. Reprinted from (2001) *Behavioral Ecology and Sociobiology* 50:9-19.

Consultancy reports

95. **Bird, D.W.** and R. Bliege Bird (2023). *Martu Homelands and Ecosystems: Ideas for Culturally Relevant and Regenerative Solutions*. Policy Report. Submitted to the Martu Prescribed Body Corporate, Jamukurnu–Yapalikunu Aboriginal Corporation (JYAC).

96. Bliege Bird R., N. Taylor, **D.W. Bird**, C. Taylor, B.F. Codding, and F. Walsh (2014). *Waruku Ngurra, Waruku Kuwiyi: Martu People, Hunting, and Fire in the Western Desert.* Submitted to the Martu Prescribed Body Corporate (JYAC), Western Australia Dept of Parks and Wildlife, and the communities of Parnngurr, Punmu, and Kunawarritji.

97. O'Connell, J.F., and **D.W. Bird** (2005). *Preliminary Report on Experimental Plant Collecting in the BLM Surprise Valley Resource Area*, 2003-05. University of Utah Archaeological Center, Report of Investigations 05-1.

98. Bliege Bird, R., **D.W. Bird**, and C.H. Parker (2001). *A Preliminary Report on Martu Subsistence Activities and Land Use: Hunting and Burning in the Great Sandy Desert, Western Australia.* Compiled for the Martu community in preparation for the Martu Native Title Determination. Document curated at the Australian Institute of Aboriginal and Torres Strait Islander Studies, Canberra, ACT.

99. **Bird, D.W.**, R. Bliege Bird, and E.A. Smith (2000). *A Report on the Meriam Ethnographic and Archaeological Research Project in Ecological Anthropology: The Social, Cultural, Ecological and Economic Significance of Meriam Traditional Marine Subsistence and Their Implications for an Indigenous Sea Rights Claim*. Submitted to the Mer Island Community Council and the Australian Torres Strait Regional Authority.

100. **Bird, D.W.** (1999). *The Meriam Ethnohistory and Material Culture Project: A Prospectus for Preserving the Past and Mapping the Future.* Prepared in collaboration with the Mer Island Community Council for the Torres Strait Regional Authority. Curated at the Australian Institute of Aboriginal and Torres Strait Islander Studies, Canberra, ACT.

101. **Bird, D.W.** (1991). *A Treatment Plan for the Mitigation of Cultural Resources in the Little Boulder Basin, Nevada*. Chapter 3: Cultural History and Theoretical Background. Compiled by A.R. Schroedl for the Bureau of Land Management, Elko District. P-III Associates, Salt Lake City Utah.

102. **Bird, D.W.** (1991). *Preliminary testing of Archaeological Sites in the Little Boulder Basin, Nevada*, A.R. Schroedl, ed. Report submitted to the Bureau of Land Management, Elko District, by P-III Associates, Salt Lake City, Utah.

103. **Bird, D.W.** (1990) *Archaeological Investigations on the Burr Trail, Utah*, B.L. Tipps, ed. Sections on ground stone analysis and miscellaneous stone tools. Report submitted to the Bureau of Land Management, Elko District, by P-III Associates, Salt Lake City, Utah.

RESEARCH GRANTS AND AWARDS [$6.96M FUNDED]

2024 National Science Foundation. *The Ecological Legacies and Regenerative Landscapes of Navajo Pastoralism*, DISES-149668. R. Bliege Bird (PI), Co-PIs: D.W. Bird, W. Campbell, C.M. Ami, E. Smithwick. Not funded.

2022 Australian Research Council Linkage Projects. *From the Desert to the Sea: Managing Rock Art, Country and Culture*. A collaborative project involving 15 investigators from 6 universities, 3 Aboriginal Corporations, 1 federal land management agency, 1 NGO, the Museum of Western Australia, and 3 industry partners. J. McDonald (Lead Chief Investigator), D.W. Bird (Institutional PI). Funded $1,035,819 AU.

2020 National Science Foundation. *Paths of the Dreaming: Using Ethnography, Genetics, and Spatial Sciences to Explore People-plant Relationships in Past and Present of Australia's Western Desert,* BCS-1917937. R. Bliege Bird (PI), D.W. Bird (Co-PI). Funded $439,560.

2019 College of Liberal Arts, Penn State, Research Development Initiative. *The Global Implications of 50,000 Years of Human-Environmental Interactions in Australia.* Funded $10,000.

2018 National Science Foundation, Research Traineeship (NRT) Grant. *Landscape-U: Impactful partnerships among graduate students and managers for regenerative landscape design*. Erica Smithwick (PI), D.W. Bird (Senior Faculty, Co-PI). Funded $3m.

2017 The Max Planck Institute for Evolutionary Anthropology, Grant. D.W. Bird (PI) and R. Bliege Bird (PI). Funded $30,000.

2017 Ecology Institute at Penn State, Award. *Developing the Center for Human Ecology.* D.W Bird (PI). Funded $10,00

2016 National Science Foundation, RAPID Grant. *Short notice sampling of Mytilus californianus on Santa Rosa Island, CA to obtain an isotopic signature of the 2015-2016 El Niño*, RAPID Grant-1623514. D.W. Bird (PI) and C.S. Jazwa (Co-PI). Funded $9,112.

2015 National Science Foundation. *A co-evolutionary approach to a complex adaptive system in the Western Desert of Australia*, BCS-1459880. R. Bliege Bird (PI), D.W. Bird (Co-PI). Funded $390,000.

2013 The Woods Institute for the Environment, Environmental Venture Program. *Fire, Mammal Diversity and Martu Lizard Hunters: Combining the Practices of Traditional Aboriginal Foragers with Modern Statistical Techniques to Test and Inform Conservation Strategies for Threatened Species in the Karlamilyi National Park*. R. Bliege Bird (PI), D.W. Bird (Co-PI), R. Wechsler, L. Fernandez (Co-Investigators). Funded $174,997.

2013 IRISS Seed Grant, Stanford University: *An indigenous food web for the Western Desert of Australia: integrating social and ecological sciences for biodiversity conservation.* R. Bliege Bird (PI) and D.W. Bird (Co-PI). Funded $10,000.

2013 National Science Foundation. *Indigenous Fire Regimes, Land Use Ecology, and Contemporary Livelihoods in Northern California*, DEB-1232319. D.W. Bird and R. Bliege Bird (Dual PIs and Project Directors); other senior personnel D. Hankins, F. Lake, R. Goode, and B. Codding. Funded $249,949.

2010 The Mellon Foundation, Sawyer Seminar Grant. *Comparative Wests: Transnational Perspectives on Rapid Cultural, Economic, and Environmental Transformations in the 19th Century Settler Colonies of Western Australia, Western Canada, the Western United States, and the Pacific Islands.* R. White and D.M. Kennedy (Dual PIs), D.W. Bird and J. Christensen, Program Directors.

2009 National Science Foundation. *Anthropogenic Fire, Human Foraging Strategies, and Ecosystem Dynamics in the Western Desert of Australia,* BCS-0850664. R. Bliege Bird and D.W. Bird (Dual PIs); other senior personnel J.H. Jones and D.W. Zeanah. Funded $500,000.

2009 National Science Foundation, Dissertation Improvement Grant. *Ethnoarchaeology of Gender-specific Foraging among Martu in Western Australia*, BCS-0915380. D.W. Bird (PI, Advisor), B.F. Codding PhD researcher. $19,000.

2009 The Woods Institute for the Environment, Environmental Venture Program. *An Interdisciplinary Approach to Understanding the Role of Anthropogenic Fire in the Desert Grasslands of Australia*. D.W. Bird (PI), R. Bliege Bird, J.H. Jones, C.P. Chamberlain, K. Maher, and T. Fukami (Co-Investigators). Funded $98,000.

2008 The Woods Institute for the Environment, Environmental Venture Program. *Understanding the Effects of Fishing on Coral Reef Ecosystem: An Interdisciplinary Approach*. F. Micheli (PI), D.W. Bird, R. Dunbar and W. Durham (Co-Investigators). Funded $150,000.

2007 Stanford's Archaeological Center, Graduate Research Grant. *Finding Gender through Resource Variability: Ethnoarchaeology among Martu Foragers in the Western Desert of Australia*. D.W. Bird (PI, Advisor), B.F. Codding PhD researcher. Funded $4,000.

2006 The Christensen Fund. *The Martu Artists Bio-Cultural Exchange*. D.W. Bird (PI), R. Bliege Bird (Co-PI). Funded $18,000.

2006 The Stanford President's Initiative Fund. *The Martu Aboriginal Bio-Cultural Exchange*. D.W. Bird (PI), R. Bliege Bird (Co-PI). Funded $5,000.

2005 Stanford OTL Grant. *Anthropogenic Burning as a Resource Management Strategy among Australian Hunter-gatherers*. R. Bliege Bird (PI), D.W. Bird (Co-PI) and J. H. Jones (Co-Investigator). Funded $24,828.

2003 National Science Foundation. *The Ecology of Production, Reproduction, and Cooperation among the Mardu*, BCS-0314406. R. Bliege Bird (PI), D.W. Bird (Co-PI) and E.A. Smith (Co-Investigator). Funded $275,000.

2003 L.S.B. Leakey Foundation. *Anthropogenic Burning as a Resource Management Strategy among Australian Hunter-gatherers*. R. Bliege Bird and D.W. Bird (Dual PIs). Funded $20,000.

2002 National Science Foundation, Research Experience for Undergraduates. *Mardu Children's Foraging*, SBR-0211265. D.W. Bird (PI), R. Bliege Bird (Co-PI).

2001 National Science Foundation. *Mardu Foraging, Food Sharing, and Gender*, BCS-0127681. D.W. Bird and R. Bliege Bird (Dual PIs). Funded $125,000.

2001 L.S.B. Leakey Foundation. *The Behavioral Ecology of the Sexual Division of Foraging Labor among the Mardu of Western Australia*. R. Bliege Bird (PI), D.W. Bird (Co-PI). Funded $40,000.

2000 National Science Foundation, SGER Award. *Mardu Food Acquisition and Distribution in the Western Desert, Australia*, BCS-0075289, D.W. Bird (PI), R. Bliege Bird (Co-PI). Funded $25,000.

1999 Australian Research Council. *Archaeological Investigations on the Meriam Islands*, P. Veth (PI), D.W. Bird (Co-PI). Funded $20,000.

1997 National Science Foundation, Post-doctoral Research Grant. *Ethnoarchaeology of Marine Foraging among the Meriam*, SBR-9616887. E.A. Smith (PI), D.W. Bird (Co-PI and Post-doctoral Researcher). Funded $160,000.

1994 Australian Institute of Aboriginal and Torres Strait Islander Studies, Research Grant. *Subsistence Fishing Among the Meriam of Mer, Torres Strait*. D.W. Bird and R. Bliege Bird, (Dual-PIs). Funded $5,000.

1994 National Science Foundation, Doctoral Dissertation Research Grant. *Intertidal Foraging Among the Islanders of Mer (Murray Island), Torres Strait Australia*. D.W. Bird (PhD researcher), J. Beaton (PI, Advisor). Funded $10,000.

1993 Wenner-Gren Foundation. *Children's Foraging: A Study in the Torres Strait*. D.W. Bird and R. Bliege Bird (Co-Investigators and primary researchers), J. Beaton (PI, Advisor). Funded $14,000.

1993 L.S.B. Leakey Foundation. *Children's Foraging in Torres Strait, Australia*. R. Bliege Bird and D. Bird (Co-Investigators and primary researchers), John Beaton (PI, Advisor). Funded $9,000.

SYNERGISTIC AND OTHER CREATIVE ACTIVITIES

2019 Selected contributor to the Coalition for Archaeological Synthesis, ***Synthetic Study of Human Migration as Understood from a Long-Term Perspective***, Amerind Foundation, Dragoon, AZ.

2017 Organizer of ***Catalyzing Interdisciplinary Research at the Frontiers of Human Ecological Dynamics***, Center for Human Ecology Symposium Series, Penn State. International scholars and policy makers convene to employ 21st century solutions to sustainability problems through new understandings of the role of people in ecological interactions across the breadth of the human experience.

2016 Organizer of the ***Human Ecological Dynamics Summit***, Taos, New Mexico, May 2-7. International scholars convene to incubate collaboration toward identifying and explaining present and past variation in human habitat modification in arid lands of Australia and North America.

2011-15 Director of the ***Comparative Wests*** International Environmental Exchange Program to synergize land management initiatives in Indigenous and Tribal organizations from the Western US, Traditional Owners of Native Title in Australia, land managers, journalists, and scholars. The program funded research and convened a series of symposia and fieldtrips to understand livelihoods and ecological health of arid Indigenous lands, with venues at Stanford U., ANU, U Western Australia, Central Sierra CA Tribal Lands, and Martu Aboriginal Native Title Lands, Australia. Partnerships included Parnngurr Aboriginal Community, Australia's Department of Parks and Wildlife, US Forest Service PSW, ANU's Humanities Research Centre, Kanyirninpa Jukurrpa, the National Science Foundation, the Mellon Foundation, the Woods Institute for the Environment, the Bill Lane Center for the American West, Martumili Aboriginal Artists, North Fork Mono Tribe (CA), Karuk Tribe (CA), Cosumnes River Preserve, and Big Chico Creek Ecological Reserve.

2011-12 Co-organizer (with J. Christensen, B. Codding, R. White, D. Kennedy, and J. Carty), ***Mellon Sawyer Seminar Series on the Comparative Wests***. Research collaborative, symposia, and workshop series focused on rapid cultural, economic, and environmental transformations in Indigenous lands and settler colonies of Western Australia, Western Canada, and the Western United States. Supported by the Mellon Foundation, Stanford's Bill Lane Center for the American West, the Woods Institute's Environmental Ventures Project, the Humanties Center; the National Science Foundation; the Mellon Foundation; and the Australian National University, and U. Western Australia.

2011 Curator and Co-organizer (with R. Bliege Bird, B. Codding, G. Sullivan, C. Taylor), ***Waru! Holding Fire in Australia's Western Desert***, the Thomas Whelton Stanford Gallery. A Martumili Arts exhibition of lived relationships between Martu foraging practice, ritual arts and desert biodiversity. Sponsored by National Science Foundation; Matumili Artists; Stanford University's Bill Lane Center for the American West, Art and Art History Dept, the Spatial History Lab, Continuing Studies; the Mellon Foundation; and the Australian National Arts and Crafts Industry Support.

2011 ***A Decade of Fire in Western Australia***. An interactive, online visualization tool developed to demonstrate the process by which Western Desert Aboriginal communities create and care for country through patch mosaic burning. Designed to engage the public with Martu ancestral lands and values expressed in cultured landscapes that emerge as patchworks of vegetation are reshaped and rescaled by traditional burning practices. The tool has been used in numerous exhibits and international teaching venues. Supported by NSF, the Woods Institute for the Environment, and the Bill Lane Center for the American West. Partnerships with Martumili Artists, Stanford's Spatial Dynamics Lab, and the Spatial History Project. http://www.stanford.edu/group/spatialhistory/cgi-bin/site/viz.php?id=395&project_id=

2006-11 Co-director and organizer (with R. Bliege Bird), the ***Martu Cultural Exchange and Environmental Leadership Training***. Partnerships with Martumili Artists, Parnngurr Aboriginal Community, the Woods Institute for the Environment's Environmental Ventures Program, Bing Overseas Studies Program, and the Christensen Fund. Involving two 3-week field courses (2007, '09) in which 30 Stanford undergraduate students (mostly First Nations) were immersed in Martu foraging society; and two programs (2006, '11) involving Martu Traditional Owners visiting American Indian communities in various forums focusing on challenges of rapid environmental change, resource management, land use, and heritage.

2006 Curator, ***Martumili Walyja: Reflections of the People***. An exhibition of the art of land use and livelihoods among Indigenous Martu, Western Desert Australia; Anthropological Sciences Gallery, Stanford University. http://news.stanford.edu/news/2006/july12/aborigine-071206.html

2007, 09 Co-director of Stanford's Overseas Studies Seminar, *Indigenous Australia*, the Martu Native Title Lands, Western Australia.

2004 Co-organizer of IRiSS Conference on *Anthropological Perspectives on Ecology and Health*, Stanford U.

2003 Co-organizer of the *Human Behavioral Ecology Advanced Seminar: the 2nd Generation*, U. Maine.

INVITED SEMINARS, PRESENTATIONS, AND KEYNOTES *(abbreviated)*

2024 Society for American Archaeology meeting, New Orleans. Panel member, Roundtable "Indigenous science".

2022 Dartmouth College, Hood Museum. Plenary speaker, "Aboriginal Australia Today".

2021 Lomakatsi Indigenous Restoration Project, Ashland, Oregon. Speaker, seminar on *Cultural Fire*.

2020 Society for American Archaeology meeting, Austin. Panel member, Roundtable "Global anthropogenic fire and pyrodiversity."

2019 American Anthropological Association, San Jose. Panel Member, Roundtable "Anthropology's contributions to interdisciplinary graduate training, research, and education."

2018 Society for the Advancement of Chicanos/Hispanics and Native Americans in Science, San Antonio. "Indigenous science in Australia's Western Desert". Symposium on *The Cultures of Science: The Intersection between Western and Indigenous Knowledge.*

2018 Society for American Archaeology meetings, Washington DC. "The emergence of *Dreaming* landscapes: Indigenous disturbance and representation of ecological homelands in Australia's Western Desert". Symposium on *Indigenous archaeologies: global perspectives on engaging with heritage and interpreting the past*.

2018 Duke University Evolutionary Anthropology Seminar, Distinguished Speaker, "Indigenous livelihoods and novel ecosystems in arid Australia," 50 in attendance.

2017 American Anthropological Association, Washington DC. Panel Member, Roundtable "Fire Otherwise: The Multitude of Ways Anthropology Matters for Fire Science, Management, and Policy."

2017 University of Arizona, Distinguished Lecture in the School of Anthropology, "Livelihoods, fire regimes, and novel ecosystems in Indigenous Australia," 30 in attendance.

2017 Geosciences Colloquium Series, Pennsylvania State University, "Anthropogenic landscapes and endemic fauna in arid Australia," 75 in attendance.

2017 Department of Anthropology Seminar Series, University of Western Australia, "Livelihoods, fire regimes, and novel ecosystems in Indigenous Australia," 50 in attendance.

2017 Institute for Land, Water, and Society Seminar Series, Charles Sturt University, "Livelihoods, fire regimes, and novel ecosystems in Indigenous Australia," 50 in attendance.

2017 Centre for Indigenous Studies, Monash University, "Livelihoods, fire regimes, and novel ecosystems in Indigenous Australia," 20 in attendance.

2017 Department of Anthropology Seminar Series, Ohio State University, "Indigenous livelihoods in arid Australia: implications for constructing an anthropocene," 30 in attendance.

2017 Society for American Archaeology meetings, Vancouver. Assessing hunter-gatherer mobility in Australia's Western Desert using historic aerial imagery from the 1950s.

2017 Ethnoarchaelogical studies for reappraisal of hominin group size in the Lower Palaeolithic. Israel Institute for Advanced Studies, The Hebrew University of Jerusalem.

2016 (with C. Jazwa) Stable isotope signatures of anthropogenic fire regimes in the Sandy Deserts of Western Australia. Society for American Archaeology meetings, Orlando.

2016 (with B. Codding) Caring for Country: how contemporary economic decisions by Aboriginal foragers facilitate food sovereignty, increase socio-ecological resilience and provide ecosystems services across Western Australia. The 76th annual meeting of the Society for Applied Anthropology, Vancouver, BC.

2016 Pyrodiversity and ecosystem services in Indigenous Australia. *Ecosystem Science and Management Seminar*, Penn State University.

2015 (with R. Bliege Bird and B. Codding) Co-evolutionary dynamics and anthropogenic pyrodiversity in Australia's Western Desert. Symposium on *Causes and Consequences of Fire Regime Shifts*, Association of Fire Ecology meetings, Austin.

2015 A landscape architecture of fire: pyrodiversity and ecosystem services in Indigenous Australia. *EarthTalks: The Next Century of Conservation*, Penn State University.

2015 Ecological integrity and the ecosystem services of remote indigenous lands. Anthropology Colloquium Series, Penn State University.

2014 A landscape architecture of fire: cultural and ecological niche construction Australia's Western Desert. Wenner-Gren Foundation Conference, *Integrating Anthropology: Niche Construction, Cultural Institutions, and History*, Sintra Portugal.

2014 The dynamics of indigenous livelihoods and ecologies in the Western Desert: economic, social, and environmental values of foraging in a remote Martu community. Centre for Aboriginal Economic Policy Research Conference, *Engaging Indigenous Economy: Debating Diverse Approaches*, Australian National University.

2014 Constructing Martu Country: mobility and trophic facilitation in Australia's Western Desert. Symposium *Moving On: Anthropological Perspective on Human Mobility*, Society for American Archaeology meetings, Austin.

2014 Living landscapes in Martu Country: cultural and ecological heritage in Australia's Western Desert. Keynote Address, Society for California Archaeology.

2014 Trophic regulation in human subsistence dynamics: fire, hunting, and complex adaptive systems in Australia's Western Desert. Conservation Biology Seminar, University of Minnesota.

2013 Megafauna in a continent of small game hunters: socio-ecological dynamics and archaeological implications of contemporary foraging in Aboriginal Australia. Anthropology Colloquium Series, Penn State University.

2013 Aboriginal Australians as trophic regulators: fire, hunting, and niche construction in the Western Desert of Australia. Symposium on *Human Niche Construction as an Evolutionary Framework in Anthropology*, Society for American Archaeology meetings, Honolulu.

2013 Discussant, Symposium on *Global Patterns in Shellfish Exploitation*, Society for American Archaeology meetings, Honolulu.

2012 (with R. Bliege Bird) Aboriginal Australians as trophic regulators: fire, hunting, and small mammal extinctions in the Western Desert of Australia. *The Environmental Forum* at the Woods Institute for the Environment, Stanford.

2012 Aboriginal Australian land use as keystone process: fire, hunting, and small mammal extinctions in the Western Desert of Australia. Symposium on *Indigenous Fires and Land Management Practices as a Keystone Process*, 5th International Fire Ecology and Management Congress, Portland.

2012 Aboriginal Australians as trophic regulators: Martu of the Western Desert. An address to the Carnegie Institute's Department of Global Ecology.

2012 Aboriginal Australians as trophic regulators: fire, hunting, and small mammal extinctions in the Western Desert of Australia. Symposium on *Human Ecology 2012*, American Anthropological Association meetings, San Francisco.

2012 Co-organizer (with P. Veth), conference and workshops on *Rejuvenating Countries: A Comparative Approach to Cultured Landscapes and Land Management in Western Australia and Western North America*, the Comparative Wests Symposium Series, U. of Western Australia, Perth, and Martu Native Title Lands.

2012 Co-organizer (with J. Carty), conference on *Creating Countries: Comparative Wests in Australia and the US*, the Comparative Wests Symposium Series, the Australian National University, Canberra.

2012 (with R. Bliege Bird and B. Codding) Comparing indigenous and climate-controlled fire regimes in the Western Desert of Australia. Symposium *on Fire, Humans, and Climate - Untangling Relationships, Causes and Consequences*, Association of American Geographers meetings, New York.

2012 Co-Organizer (with D. Zeanah), symposium on *Arid Zone Intensification*, Society for American Archaeology meetings, Memphis.

2012 Megafauna in a continent of small mammals: Martu camel hunting in Australia's Western Desert. Symposium on *Worldwide Large-scale Trapping and Hunting of Ungulates*, Society for American Archaeology meetings, Memphis.

2012 Co-Organizer (with J. Christensen and B. Codding), *Comparative Wests Winter Conference*. Stanford's Bill Lane Center for the American West.

2011 Organizer, *Trails of Fire: Signatures of Cultural and Environmental Transformations on the American and Australian Frontiers*, Humanities and Environmental Science Workshop Series, Stanford University.

2011 Aboriginal fire regimes and hunting strategies in Australia's Western Desert. *Western Australia Bushfire Research Forum*, University of Western Australia 'University Club Series'.

2011 Foraging with fire: identifying anthropogenic fire regimes in Western Australia. Symposium on *Prehistoric Fire and Landscape Modification*, Society for American Archaeology meetings, Sacramento.

2011 Anthropogenic landscapes and fire driven biodiversity. Workshop *Planning for Fire Management in the Western Deserts*, Department of Environment and Conservation and CSIRO, Perth, Western Australia.

2010 (with R. Bliege Bird and B. Codding) Risk, gender, and the generation of prestige: lessons from Martu foraging and sharing. Symposium on *Circulation, Exchange, and Redistribution of Resources, People, and Power: Relationship to Risk and Security*, American Anthropological Association meetings, New Orleans.

2010 (with D. Zeanah) Intensive seed exploitation and anthropogenic fire in the Australian Arid Zone. Symposium on *Seeds of Change: Early Holocene Subsistence Diversification and Technological Change Across the Desert West*, Society for American Archaeology meetings, St. Louis.

2009 Firestick farming: Aboriginal foraging and ecosystem dynamics in the Western Desert of Australia. Anthropology Colloquium Series, New York University.

2009 Ethnoarchaeological lessons from Martu hunting. Anthropology Colloquium Series, UC Santa Cruz.

2009 Firestick farming: Aboriginal foraging and ecosystem dynamics in the Western Desert of Australia. Graduate ProSeminar Series, UC Santa Barbara.

2009 Co-organizer (with B. Codding) of the Theoretical Archaeology Group Conference, *Residues of Human Behavior*, Stanford U.

2009 Martu hunting and the archaeofaunal signatures of prey-predator dynamics. Graduate ProSeminar Series, UC Santa Barbara.

2008 Foraging politics, magnanimity, and social stratification. Workshop, *The World As It Was*, Harvard University. Organized by Jared Diamond and James Robinson.

2008 (with B. Codding) The ethnoarchaeology of fire-stick farming in indigenous Australia. Poster at the 73rd annual meeting of the Society for American Archaeology.

2007 Risk, reliability and magnanimity: archaeological lessons from Martu foraging. The Cotsen Institute Colloquium, UCLA.

2007 In pursuit of mobile prey: the archaeofaunal consequences resource use in Australia's Western Desert. Stanford's Archaeology Center Lecture Series.

2007 Egalitarianism, polygyny and foraging politics: confronting the Australian paradox. UC Davis, Anthropology Seminar Series.

2006 Competing to be leaderless: food sharing and magnanimity among Martu Aborigines. Advanced seminar on *The Emergence of Leadership: Transitions in Decision Making from Small-Scale to Middle-Range Societies*, School of American Research Advanced Seminar Series.

2006 Geophyte use and habitat modification in the Northern Great Basin. Poster presented at the Great Basin Anthropological Conference; J. Trammell, J. O'Connell, D.Bird & C.Parker.

2006 Children's foraging strategies and the archaeology of human juvenility. Symposium on *Pleistocene Hunter-Gatherers Societies*, Society for American Archaeology meetings, San Juan, Puerto Rico.

2005 Do bigger animal provide higher hunting returns? Lessons from the Martu. Symposium on *From the Present to the Past: Current Ethnoarchaeology*, Society for American Archaeology meetings, Salt Lake City, Utah.

2004 Martu men's hunting ecology: what variance means for archaeological interpretation. IRiSS Conference on *Anthropological Perspectives on Ecology and Health*, Stanford.

2004 Archaeological tests of transport models: implications for eastern coast shellmiddens. Meetings of the Eastern States Archaeological Federation.

2002 Hunting with fire: the ecology of foraging and biodiversity in Australia's Western Desert, The Agassiz Lecture Series, U. Maine.

2002 Children's foraging and the evolution of human life histories: lessons from Mardu Aborigines of Australia's Western Desert. Paleo-Anthropology Program, George Washington University, Washington D.C.

2002 Mardu children's hunting strategies in the Western Desert, Australia. 9th International Conference on Hunting and Gathering Societies, Edinburgh, Scotland.

2001 Of children and shells: juvenile foraging among the Meriam. Symposium on *Perspectives on the Archaeology of Childhood*, American Anthropological Association meetings.

2001 Delivering shellfish: the behavioral ecology and archaeological consequences of intertidal foraging. McGill University, Dept. of Anthropology Lecture Series.

2000 Of molluscs and children: the ethnoarchaeology of marine foraging. Keynote Address, Alaskan Archaeological Society meetings.

2000 Prehistoric prey choice and processing strategies in the Torres Strait, Australia. Symposium on *Recent Research in Zooarchaeology*, Society for American Archaeology meetings.

1999 Juvenile foraging and life history theory. Biological Sciences Eco-munch Series, University of Arkansas.

1999 Children on the reef: slow learning or strategic foraging? Symposium on *The Behavioral Ecology of Childhood*, Human Behavior and Evolution Society meetings, Salt Lake City.

1999 Children's foraging on Mer Island. Anthropology Seminar Series, James Cook University, Australia.

1999 The ethnoarchaeology of juvenile foraging. Symposium on *Foraging Studies in Archaeology*, Society for American Archaeology meetings.

1997 Children on the reef: shellfishing strategies among the Meriam. Anthropology Colloquium Series, University of Utah.

1996 Meriam shellfishing and central place foraging. Special Lecture Series, University of Washington.

1995 Marine subsistence strategies on Mer Island. Seminar Series, Australian Institute of Aboriginal and Torres Strait Islander Studies.

1993 Ethnographic reconnaissance among the Meriam, Torres Strait. Anthropology Colloquium Series, University of Utah.

PROFESSIONAL, EDITORIAL, AND ADVISORY ROLES *(abbreviated)*

2025-pres College of Liberal Arts Promotion and Tenure Committee, Penn State U.

2020-pres Elected Faculty Senator and Chair of the Committee on Educational Equity and Campus Climate, Penn State U.

2017-pres Editorial Board, *Queensland Archaeological Research*

2010-17 Senior Advisor, Land Management Board, Kanyirninpa Jukurrpa, a Martu led NGO: Building Sustainable Martu Communities. Newman, Western Australia. http://www.kj.org.au/

2016 Cultural Anthropology DIGs review panel, US National Science Foundation.

2015 Science Advisor, documentary series *Cooked*, Netflix field producers Cat Hartwell and Curtis Taylor.

2012-15 Science Advisor, SPICE program, a partnership between the Western Australia Department of Education and the University of Western Australia to develop primary and secondary school curricular resources on Aboriginal land use and conservation. http://spice.wa.edu.au/resources/fire-stories/content/fire_stories.html#western_desert

2008-15 Editorial Board, *Ethnoarchaeology: Journal of Archaeological, Ethnographic, and Experimental Studies*. Left Coast Press.

2007-15 Co-director of the Human Spatial Dynamics Lab, Stanford U.

2007-09 Co-director of Stanford's Overseas Studies Seminar, *Indigenous Australia*, the Martu Native Title Lands, Western Australia

2001 Advising Consultant, the Martu Native Title Determination: natural resources and contemporary land use.

Regular journal, press, and grant reviewing: *Proceedings of the National Academy of Sciences, Archaeological and Anthropological Sciences, Global Ecology and Biogeography, Quaternary Science Reviews, PLoS ONE, Current Anthropology, Journal of Archaeological Science, American Antiquity, Journal of Archaeological Research, Journal of Anthropological Archaeology, California Archaeology, Human Nature, Human*

Ecology, Behavioral Ecology, Human Biology, Proceedings of the Royal Society B, Journal of Human Evolution, Evolutionary Anthropology, Mammal, Evolution and Human Behavior, University of California Press, Left Coast Press, Leakey Foundation, National Science Foundation.

Memberships: Society for American Archaeology, Society for the Advancement of Chicanos/Hispanics and Native Americans in Science, Association of American Geographers, Association for Fire Ecology, American Anthropological Association, Cultural Survival, International Society for Behavioral Ecology, Australian Institute of Aboriginal and Torres Strait Islander Studies (elected, 1997).

CULTURAL RESOURCE MANAGEMENT *(abbreviated)*

2025	Kulyakartu Native Title, Consultant. Kulyakartu return to Country: ecological interactions in Native Title and Indigenous reclamation, Western Desert, Australia. D. Bird (PI).
2000	Martu Native Title, Consultant. Ethnographic and archaeological survey along the Canning Stock Route, Western Desert, Australia. P. Veth (PI), U. Western Australia.
1998	Archaeological survey, excavation, and zooarchaeological lab analysis of coastal middens on Mer and Dauar Islands, Torres Strait, Australia. D.W. Bird (PI) in collaboration with P. Veth, UWA.
1998	Meriam Islands Ethnohistory Museum and Material Culture Project. Primary Consultant for Mer Island Community Council.
1995	Archaeological Field Supervisor. Survey in central Utah. C. Carambelis (PI), Desert West Research, Salt Lake City, Utah.
1992-93	University of California NAGPRA Repatriation Project. Museum of Anthropology, U.C. Davis. Preparing, documenting, and repatriating American Indian burial collections. R. Bettinger, Director.
1992	Archaeological Crew Chief. Survey and excavation in Mule Canyon, Whirlwind Valley, north-central Nevada. R. Elston (PI), Intermountain Research, Silver City, Nevada.
1991	Staff Archaeologist, Intermountain Research, Silver City, Nevada. R. Elston, Senior Consultant.
1991	Archaeological survey and excavation at the Tosawihi Quarry, north-central Nevada. R. Elston (PI), Intermountain Research.
1989-91	Staff Archaeologist and Laboratory Supervisor, P-III Associates, Salt Lake City, Utah. A. Schroedl, Senior Consultant.
1990-91	Archaeological survey in Green River Drainage, western Wyoming. A. Schroedl (PI), P-III Associates, Salt Lake City, Utah.
1989-91	Archaeological survey and excavation in Little Boulder Basin, north-central Nevada. A. Schroedl (PI), P-III Associates, Salt Lake City, Utah.
1990-91	Curatorial technician, Burr Trail Collections. A. Schroedl (PI), P-III Associates, Salt Lake City, Utah, for the Edge of Cedars Museum, Blanding Utah.
1990	Joe's Valley Alcove Archaeological Excavation Project, central Utah. D. Metcalfe (PI), University of Utah.
1989	Archaeological excavation in Hell's Canyon, eastern Oregon. F. Leonardy (PI), University of Idaho.
1989	Archaeological field school, survey and excavations on the Snake River Plain and Idaho National Laboratory, southern Idaho. R. Holmer, Director, Idaho State University.

MEDIA COVERAGE *(abbreviated)*

2020 *Atlas Obscura* How Aboriginal Hunting and 'Cool Burns' Prevent Australian Wildfires (Reina Gattuso https://www.atlasobscura.com/articles/how-to-stop-australian-wildfires)
2019 *New York Times* Aboriginal Hunters' Fires Help Restore an Australian Desert (JoAnna Klein https://www.nytimes.com/2019/02/08/science/australia-aboriginal-fires-martu.html)
2019 *ScienceDaily* Indigenous Hunters Have Positive Impacts on Food Webs in Desert Australia (www.sciencedaily.com/releases/2019/02/190217142522.htm)
2016 *Cool Green Science*: Burning for Biodiversity - How Hunting Promotes Healthy Ecosystems in the Australian Desert (Justine Hausheer http://blog.nature.org/science/2016/11/29/burning-for-biodiversity-how-hunting-promotes-healthy-ecosystems-in-the-australian-desert/)
2016 *Cooked: A Netflix Original Documentary Series* (http://www.theguardian.com/tv-and-radio/2016/feb/04/cooked-the-importance-of-making-your-own-food?CMP=share_btn_fb)
2014 *Boom: A Journal of California* (Mary Ellen Hannibal http://boom.lareviewofbooks.org/lighting-cultural-fires/)
2014 *Science* (http://news.sciencemag.org/sifter/2014/08/burning-brush-helps-kangaroos)
2014 *PhysOrg* (http://phys.org/news/2014-08-kangaroos-aborigines.html)
2014 *Stanford Report* (Rob Jordon http://news.stanford.edu/news/2014/july/bumphead-parrotfish-elephants-073014.html)
2013 *Science* (Sarah Williams http://news.sciencemag.org/plants-animals/2013/10/when-land-burns-lizards-thrive)
2013 *Nature* (Research Highlights http://www.nature.com/nature/journal/v502/n7473/full/502596a.html)
2013 *Wired Magazine*: Top Science Illustrations of 2012, Bliege Bird et al. 2012, *PNAS*. (http://www.wired.com/2012/12/science-figures-2012/?viewall=true)
2013 *Stanford Report* (Rob Jordon http://news.stanford.edu/news/2013/october/fire-aborigines-wildlife-102913.html)
2013 *Australian Broadcasting Corporation Science* (Anna Salleh http://www.abc.net.au/science/articles/2013/10/23/3874270.htm?site=news&topic=latest)
2013 *Canadian Broadcast Corporation* (Duncan McCue http://www.cbc.ca/player/News/ID/2392521515/)
2013 *Science News* (Jessica Shugart https://www.sciencenews.org/article/hunting-boosts-lizard-numbers-australian-desert)
2013 *Yahoo! News* (Charles Choi)
2013 *Nature World News* (James Foley http://www.natureworldnews.com/articles/4615/20131025/unique-hunting-methods-martu-people-increases-animal-populations-video.htm)
2013 *LiveScience* (Charles Choi)
2013 Radio interview *World News Australia Radio* (Andi Yu)
2013 *SBS World News* (Santilla Chingaipe and Andi Yu)
2013 *Yale Environment360* (Richard Coniff http://e360.yale.edu/feature/people_or_parks_the_human_factor_in_protecting_wildlife_/2707/)
2012 *Generation Anthropocene* (http://www.stanford.edu/group/anthropocene/cgi-bin/wordpress/doug-bird-anthropologist/#more-187)
2012 *Artistes et Scientifiques Associes – Art+Science Factory* (Jean-Michel Frodon)
2012 *Science Network Western Australia* (Geoff Vivian)
2012 *Stanford Report* (Max McClure http://news.stanford.edu/news/2012/july/australia-hunting-fire-071212.html)
2011 *San Francisco Chronicle http://www.sfgate.com/green/article/California-Indians-could-regain-ancestral-lands-2295633.php*
2010 *Australian Geographic* (Ken Eastwood http://www.australiangeographic.com.au/topics/history-culture/2010/12/living-the-traditional-aboriginal-life/)
2010 *Science Daily*
2010 *e!Science News http://esciencenews.com/articles/2010/05/03/aboriginal.hunting.and.burning.increase.australias.desert.biodiversity.stanford.researchers.find*
2010 *Stanford Magazine* (Ken Eastwood http://alumni.stanford.edu/get/page/magazine/article/?article_id=29589)

2008 *Wired* (Brandon Keim)
2006 *Stanford Report* (Lisa Trei http://news.stanford.edu/news/2006/july12/aborigine-071206.html)
2002 *New York Times* (Natalie Angier http://www.nytimes.com/2002/07/02/science/why-childhood-lasts-and-lasts-and-lasts.html)
2002 *National Public Radio:* 3 radio interviews, children's foraging and human life histories
2002 *New Scientist* (Meredith Small): The evolution of childhood.
2001 *Nature* (Research Highlights): Meriam turtle hunting and prestige
2000 Television interview *7:30 Report, Australian Broadcast Corporation*: Meriam fishing and sea rights
1999 *The Australian*: the archaeology of Torres Straight and sea rights

TEACHING AND ADVISING

Courses

- *Cultural Diversity: A Global Perspective* [ANTH 45N, undergraduate]. This is a large General Education lecture course designed to introduce students to the concepts and evidence used in understanding the cultural diversity of our global world. The class provides students with the tools to approach questions about the diversity of human cultures, how they vary across different societies, how different people experience and represent their social worlds, why they change, and the importance of understanding such variability for the global challenges we face in an ever-changing world.
- *Livelihoods and Ecosystems* [ANTH 240N, undergraduate]. This class is General Education course providing an introduction to anthropological approaches to human-environment interaction and surveys the history and prehistory of human ecological dynamics. Topics include conservation and collective action, global spread of modern humans, changes in environments and human subsistence throughout the Pleistocene and Holocene, animal extinctions, ethno-historic land use and social organization in Australia and the Americas, anthropogenic fire and fire ecology, and political ecology of tenure, sovereignty, and resource management.
- *Hunter-Gatherers* [ANTH 152, undergraduate]. This course explores the diversity of contemporary foraging societies, focusing on their social organization, subsistence strategies, and ecological relationships. We will critically examine the concept of "hunter-gatherers" and how it has been historically constructed, explore economic and ecological relationships among foragers, and analyze the processes shaping social and local organization of contemporary foraging communities. Through curiosity-based questions and discussions, intensive engagement with primary literature, and interactive assignments, students will challenge pernicious myths about foraging peoples and develop a nuanced understanding of foraging societies.
- *Theory and Questions in Scientific Archaeology* [ANTH 588, graduate]. This seminar provides new PhD students an overview of some theoretical frameworks and central questions being asked in contemporary archaeological research. By focusing on critical questions about past societies and human behavior, the seminar transcends subdisciplinary boundaries in anthropology to explore connections with the social and life sciences. Core seminar for all PhD students in Anthropology at Penn State.
- *Human Ecology* [ANTH 559, graduate]. This seminar focuses on contemporary understandings of consumption, natural resource use, collective action and the role of humans in ecosystem function. We focus on current literature in decision-making, institutional organization, and their relationship to resource/land use and physical environments. Core seminar for dual-title graduates in Human Dimensions of Natural Resources and Environment at Penn State.
- *Evolution, Ecology, and Human Behavior* [ANTH 560, graduate]. This seminar provides students with a theoretical framework for situating contemporary ecological approaches in anthropology. It provides a fundamental history of social and biological concepts used in developing questions about the nature of relationships between human social behavior and the natural environment. The historical background prepares students to understand contemporary frameworks in evolutionary ecology, cultural ecology, signaling

theory, niche-construction, and human behavioral ecology. Core seminar for all PhD students in Anthropology at Penn State.

- *Peopling of the Planet* [undergraduate]. This class introduces students to data and issues surrounding the human dispersal and peopling of continents and islands around the world over the last 60,000 years. We explore problems related to the timing and cause of colonizing events, and investigate questions about changing patterns of land use, demography and resource consumption.
- *Indigenous Australia Ecological Field School* [undergraduate/graduate]. Hosted by Martu Aboriginal Community, the field course is directed and conducted by D.W Bird and R. Bliege Bird on the Martu Native Title, Western Desert Australia. The course is designed to immerse 15 students in the culture, ecology and environmental issues faced by Indigenous Australians.

Occasional Courses

♦ Conservation and Evolutionary Ecology [undergraduate] ♦ Advanced Topics in Human Behavioral Ecology [graduate] ♦ Advances in Anthropology Research Methods [graduate] ♦ Methods in Ecological Anthropology ♦ Ethnoarchaeology ♦ Introduction to Archaeology ♦ Human Biology: Culture, Evolution, and Society ♦ Quantitative Research Methods in Anthropology ♦ Introduction to Biological Anthropology ♦ Pre-field Research Practicum ♦ World Prehistory.

Graduate and Post-doctoral Supervision

PhD supervisor: Brian Codding (Anthropology, Stanford; now Prof UC Santa Barbara), Chloe McGuire (Anthropology and Human Dimensions of Natural Resources and the Environment, Penn State; currently Senior Cultural Liasson Officer, Far Western Anthropological Group), Jennifer Chen (Anthropology, Penn State; now visiting Asst Prof Rochester U).

Masters supervisor: Catherine Mendel (Anthropology, Penn State), Genevieve Dezso (Anthropology, Stanford), Tiffany Cain (Archaeology, Stanford), Jennifer Panlilio (Anthropology, Stanford), Marc Wampler, (Anthropology, U Arkansas), Jennifer Richardson (Anthropology, U Arkansas).

Post-doctoral: Stefani Crabtree (Anthropology, Penn State; now Assist Prof at Utah State U), Madeline Brown (Landscape Architecture, Penn State; now Asst Prof at U Maryland), Michael Price (Anthropology, Penn State; now at Santa Fe Institute), Christopher Jazwa (Anthropology, Penn State; now Asst Prof at U Nevada Reno), Brian Codding (Bill Lane Center for the American West, Stanford; now Prof UC Santa Babara), Sean Downey (Woods Institute for the Environment, Stanford; now Assoc. Prof Ohio State).

PhD co-supervisor or committee member: Zacchariah Apolito (Anthropology, Penn State; current), Matthew Picarelli-Kombert (Anthropology, Penn State; current), Kirsten Nafziger (Anthropology, Penn State; current), Laura Stelson (Anthropology, Penn State), Dylan Davis (Anthropology, Penn State), Dani Buffa (Anthropology, Penn State), Clare Randolph (Anthropology, Penn State), Grace Malley (Geography, Penn State), Lily Doershuk (Anthropology, Penn State), Diego Hernandez (Anthropolgy, Penn State), Nicholas Triozzi (Anthropology, UC Santa Barbara), Andres Mejia Ramon (Anthropology, Penn State), Sean Hixon (Anthropology, UC Santa Barbara), Jan De Vynck (external PhD reader, Ecology, Nelson Mandela U), Tony Marks-Block (Anthropology, Stanford), Richard Bankoff (Anthropology, Penn State), Jennifer Haney (Anthropology, Penn State), Martin Welker (Anthropology, Penn State), Jonathan Hanna (Anthropology, Penn State), Madeline Brown (Anthropology, Stanford), Elspeth Ready (Anthropology, Stanford), Michael Price (Anthropology, Stanford), Elena Finkbeiner (Biology, Hopkins Marine Center, Stanford), Elly Power (Anthropology, Stanford), Caleb Thomlinson (Anthropology, Stanford), Emily Beggs (Anthropology, Stanford), Christopher Parker (Anthropology U. Utah), Sarah Robinson (Anthropology, Stanford), Jason Lewis (Anthropology, Stanford), Shannon Randolph (Anthropology, Stanford), Brodie Ferguson (AnthroSci, Stanford), Silvana Rosenfeld (AnthroSci, Stanford), Ann Horsburgh (AnthroSci, Stanford; now Assist Prof at Southern Methodist U), Brooke Scelza (Anthropology, U Washington; now Assoc. Prof. UCLA), Melissa

Carter (Archaeology, James Cook U.), Joshua Trammell (Anthropology, U. Utah), Pat McClenahan (Environmental Dynamics, U. Arkansas), Dori Gould (Environmental Dynamics, U. Arkansas), Rita Carroll (Environmental Dynamics, U. Arkansas).

Masters committee member: Casey Sennett (Anthropology, History, Jewish Studies, Penn State), Theo Gibbs (Environment and Earth Systems Sciences, Stanford), Peter Kauhanen (Anthropology, Stanford), Brian McEneaney (Anthropology, U. Utah), Trisha Rude (Climate Change Institute, U. Maine), Peter Lynch (Climate Change Institute, U. Maine), Christopher Parker (Anthropology, U. Arkansas).

Undergraduate honors thesis supervisor: Casey Sennett (Anthropology, History, Jewish Studies, Penn State), Gillian Russell (Anthropology, Penn State), Claire Byrnes (Geography and Anthropology, Penn State), Sydney Ernst (Anthropology, Penn State), Tori Gamel (Anthropology, Penn State), Genevieve Dezso (Anthropology, Stanford), Judee Burr (Earth Systems, Stanford), Tiffany Cain (Archaeology, Stanford), Robert Manly (Anthropology, Stanford), Claire Menke (Anthropology, Stanford), Hannah Larkin (Anthropology, Stanford), Heather Heinstead (Anthropology, Stanford), Michelle Connelly (Anthropology, U. Maine).

SCHOLARLY DISTINCTIONS

2022 Top 10 most cited article ("Climate, landscape diversity, and food sovereignty in arid Australia") for the *American Journal of Human Biology* for papers published in 2020-21

2021 Top 10 most cited article ("Variability in the organization and size of hunter-gatherer groups") for the *Journal of Human Evolution* for papers published in 2019-20

2011 Stanford University's Outstanding Mentor of Native Students, Native American Center

1995 Phi Beta Kappa

1991 *Magna cum laude*, University of Utah

1991 Valedictorian Candidate, University of Utah (President's list of nominees)

1991 Anderson Scholar, Anthropology's highest honor, University of Utah