

Keith Malcolm Prufer
kmp@unm.edu

Department of Anthropology February 5, 2022
A&S Interdisciplinary Sciences Center
University of New Mexico

Office: PAIS 1316
Lab: CSI Radiocarbon Lab PAIS 1319
Lab: Environmental Archaeology Lab Anthropology 142

Educational History

Ph.D. 2002 Southern Illinois University at Carbondale, Anthropology
M.A. 1996 Southern Illinois University at Carbondale, Anthropology
B.A. 1994 Cleveland State University, Anthropology
Previous: University of Hawaii, Hilo

Employment History

Professor, Department of Anthropology, University of New Mexico 2016-Present
Core Faculty – Center for Stable Isotopes, A&S Interdisciplinary Sciences
Convener – Archaeology Subfield, UNM Anthropology
Affiliated Faculty - Latin American and Iberian Institute
Associate Professor, Department of Anthropology, University of New Mexico 2010-2016
Assistant Professor, Department of Anthropology, University of New Mexico 2007-2010
Assistant Professor, Department of Anthropology, Wichita State University. 2004-2007
Visiting Assistant Professor, Department of Anthropology, Auburn University 2002-2004

Professional Recognition and Honors

Ancestors Lecture *A new view of Paleoindian and Archaic human ecology and archaeology in the tropical lowlands of Central America* Maxwell Museum, University of New Mexico, 2018

Outstanding Dissertation of the Year Award, the Graduate School, Southern Illinois University, 2002.

Southern Illinois University at Carbondale. Graduate School Doctoral Fellowship 2000-2001, 2001-2002

Dumbarton Oaks Pre-Columbian Library, Short-term residency 1999

Southern Illinois University at Carbondale, Graduate School Doctoral Fellowship 1997 (Awarded but declined).

Graduate Paper of the Year Award. Department of Anthropology, SIUC 1997

National Science Foundation, Graduate Research Fellowship 1997-2000.

National Science Foundation. Graduate Research Fellowship, Honorable Mention 1996

Research Funding

Research Grants and Awards (External): Summary 2006-2020, NSF award total (as PI): **\$1,935,000**. Other funding (as PI) **\$1,325,000** Total external grants awarded (all PI roles): **>\$3,520,000**

Awarded

30. National Science Foundation. Role: Lead PI. Collaborative Research: Origins of food production in the northern neotropical lowlands. With DJ Kennett, R. George, and D. Piperno. \$175,922 (\$327,492). 2022-2024

29. National Science Foundation. Role: UNM PI. Collaborative Research: Applying 3D Deep Learning to Lidar Data for Automated Detection of Archaeological Sites in Tropical Regions. With H. Rissotto-Richards (UNL), A. Thompson (UT). \$24,963 (\$299,300). 2022-2024

28. National Science Foundation. Role: Senior Collaborator. CHOMPER: Calculus and Hominid Oral Metagenomes for Pathogen Evolution Research. C. Lewis, T. Honap PIs. University of Oklahoma. \$422,196. 2020-2023.

27. Alphawood Foundation. PI/PD Origins of the Maya: Reconstructing Early Holocene Human Ecology and Culture in the Southern Lowlands 2020-2022 (\$125,000)

26. Alphawood Foundation. PI/PD Origins of the Maya: Reconstructing Early Holocene Human Ecology and Culture in the Southern Lowlands 2018-2020 (\$245,000)

25. National Science Foundation. PI/PD Doctoral Dissertation Research: Doctoral Dissertation Improvement Award: Community Growth and Sustainability in Unstable Times \$30,273 (PI with RE Guerra, 2017-2020).

24. National Science Foundation. Collaborative Research: Late Pleistocene and Early Holocene Climate Change and Human Ecology in the Tropical Maya Lowlands. SBE1632061 \$276,000 (lead PI/PD with D.J. Kennett, Y.A. Asmerom, and T. Ryan, B. Culleton, and S. Newsome 2016-2020)

23. National Science Foundation, SBE-REU Award for Undergraduate Research, PI/PD 2017-2018, (\$6,000)

22. National Science Foundation. Doctoral Dissertation Research: Comparative Examination of the Process of Urban Development \$25,400 (PI with A.E. Thompson, 2016-2017).

21. School for Advanced Research. NSF Research Team Seminar *Linking the Past to the future: 2000 Years of Human Resilience and Socioecological Change in the Central American Tropics*. ~\$13,000 for travel for 10 participants (co-chair with Rebecca Zarger, 2016).

20. Alphawood Foundation. PI/PD Origins of the Maya: Reconstructing Early Holocene Human Ecology and Culture in the Southern Lowlands (2015-2018) \$394,674
19. In-Herit. Bi-directional Knowledge Exchange Between Maya Archaeologists & Communities. Co-PI with Rebecca Zarger and Kristina Baines 2013 (\$7500)
18. National Science Foundation, SBE-REU Award for Undergraduate Research, 2012-13, (\$5,975)
18. Alphawood Foundation, Uxbenká Archaeological Project, 2012-2014 (\$309,800)
17. National Science Foundation, Doctoral Dissertation Improvement Grant: Environmental Variability, Settlement Decisions, and the Status Differentiation at the Classic Period Maya Polity of Uxbenka' (with co-PI Ethan Kalosky). 2011 (\$19,820)
16. Alphawood Foundation, Uxbenká Archaeological Project, 2011 (\$29,800)
15. Alphawood Foundation, Uxbenká Archaeological Project, 2010 (\$123,750)
14. National Science Foundation, SBE-REU Award for Undergraduate Research, 2009, (\$5,975)
13. National Science Foundation, HSD-REU Award for Undergraduate Research, 2009, (\$4,000)
12. Alphawood Foundation, Uxbenká Archaeological Project, 2009, (\$53,571)
11. National Science Foundation, HSD (Human and Social Dynamics Program). Collaborative Research: (AOC) Development and resilience of complex socioeconomic systems: A theoretical model and case study from the Maya Lowlands. (Lead PI's D Kennett (UO), K Prufer, (UNM) Bruce Winterhalder (UCD), Rebecca Zarger (USF), HSD 0827305, 2008-2013, (total award \$899,234).
10. National Science Foundation, Archaeology Research Award, PI/PD, 'Uxbenká Archaeological Project' BCS-0620445 2006-2010 (\$123,830).
9. Foundation for the Advancement of Mesoamerican Studies, Inc. 'Uxbenká Archaeological Project' FAMSI-06066, 2006 (\$9,950)
8. Foundation for the Advancement of Mesoamerican Studies, Inc. 'Uxbenká Archaeological Project' FAMSI-05070, 2005 (\$9,945)
7. National Science Foundation, Dissertation Improvement Grant 'Maya Mountains Ritual Caves Project' co-PI with Don S. Rice. SBR-9901265, 1999 (\$11,400)

6. Foundation for the Advancement of Mesoamerican Studies, Inc. 'Conservation of a Wooden Figurine from Xmuqlebal Xheton' Cave in Southern Belize. FAMSI-99003, 1999 (\$1,350)

5. Subcontract Award, Cleveland State University. Keith M. **Prufer** and Don S. Rice, 'Conservation, Analysis and Carbon Dating of Wood Artifacts', 1999 (\$7,500)

4. Subcontract Award, Cleveland State University. Keith M. **Prufer**, Don S. Rice, David J. Goldstein, and Lee A. Newsom 'Conservation of a Wood Bench from Belize', 1999 (\$5,500)

3. Sigma Xi - The Scientific Research Society. Grant in-Aid-of Research. "Maya Mountains Ritual Caves Project", 1995 (\$400)

2. Explorers Club of New York, Research Grant, 'Maya Mountains Palynology Project', 1994 (\$1000)

1. Sigma Xi - The Scientific Research Society, Grant in-Aid-of Research, 'Maya Mountains Palynology Project', 1994 (\$400)

Research and other Funding (Internal):

UNM- Program for Enhancing Research Capacity (**PERC**). KM Prufer (PI) and K Schleher (co-PI) Purchase of Bruker Tracer 5 portable hand-held XRF instrument 2022 \$42,650

Latin American and Iberian Institute funding from UNM Title VI-A Grant Undergraduate International Studies and Foreign Language Program (UISFL) for undergraduate research experiences in Belize, summer 2008, \$4,000

Internal proposal to LAll for funds to support travel for human rights attorney Prof. James Anaya (United Nations and University of Arizona) as part of the Anthropology Colloquia Series \$300

Wichita State University Summer Faculty Research Grant. 'Uxbenká Archaeological Project' (\$4,000) 2006

Wichita State University ARCS Faculty Research Award. 'Uxbenká Archaeological Project' (\$4,500) 2005

Cleveland State University, College of Arts and Sciences. Research Grant. 'Ethnolinguistic Study of Kekchi English in Southern Belize' (\$500) 1994

Research Products (books, articles, reports, presentations)

Published Books:

Brady, JE. and KM. **Prufer**, editors *In the Maw of the Earth Monster: Studies of Mesoamerican Ritual Cave Use*. Linda Schele Series in Precolumbian Art and Archaeology, 438 pages, University of Texas Press, Austin 2005

KM **Prufer** and JE. Brady, editors *Stone Houses and Earth Lords: Maya Religion in the Cave Context*. David Carasco Series Mesoamerican Worlds, 392 pages, University Press of Colorado, Boulder 2005 (Second edition 2021)

Published Articles:

71. **Prufer, KM**, AE Thompson, A Wickert, DJ Kennett. Demographic Growth and Decline Track Climate Change at a Classic Maya Center. **Progress in Physical Geography**. 2022. DOI: [10.1177/03091333221112359](https://doi.org/10.1177/03091333221112359)

70. DJ Kennett, M Masson, CP Lope, S Serafin, RJ George, T Spencer, J Hoggarth, BJ. Culleton, TK Harper, **KM Prufer**, S Milbrath, B Russell, EU González, WC McCool, VV Aquino, E Paris, JH. Curtis, N Marwan, M Zhang, Y Asmerom, VJ Polyak, SA Carolin, DH James, A Mason, G Henderson, M Brenner, JUL Baldini, SFM Breitenbach, DA Hodell. Drought-Induced Civil Conflict Among the Ancient Maya. **Nature Communications**, 2022. <https://www.nature.com/articles/s41467-022-31522-x%20>

69. DJ. Kennett*, M Lipson*, **KM. Prufer***, D Mora-Marín, RJ. George, N Rohland, Mark Robinson, WR. Trask, HHJ. Edgar, EC. Hill, EE. Ray, P Lynch, E Moes, L O'Donnell, TK. Harper, EJ. Kate, J Ramos, J Morris, S Gutierrez, TM. Ryan, BJ. Culleton, JJ. Awe, David Reich*. Convergent Genetic, Linguistic, and Archaeological Evidence for an Ancient Migration of Farmers into the Maya Region. **Nature Communications** (*corresponding authors). DOI: 10.1038/s41467-022-29158-y

68. O. Kweicin, T Braun; CF Brunello; P Faulkner; N Hausmann; G Helle; JA Hoggarth; M Ionita; C Jazwa; S Kelmelis; N Marwan; C Nava-Fernandez; C Nehme; T Opel; J L. Oster; A Perşoiu; C Petrie; **KM Prufer**; SM. Saarni; A Wolf; SFM. Breitenbach. What we talk about when we talk about seasonality - A transdisciplinary review. **Earth Science Reviews** (invited contribution). Published online 2021 (published date 2022) <https://doi.org/10.1016/j.earscirev.2021.103843>.

67. **Prufer, KM**, M. Robinson, DJ Kennett. Terminal Pleistocene through Middle Holocene Occupations in Southeastern Mesoamerica: Linking Ecology and Culture in the Context of Neotropical Foragers and Early Farmers. **Ancient Mesoamerica** 32(3): 439-460 2021. DOI: 10.1017/S0956536121000195

66. Thompson, AE, G Feinman, **KM Prufer**. Inequality and the Financing of Classic Maya Political Power. **Journal of Archaeological Science**. doi/10.1016/j.jas.2021.105441. 2021

65. Thompson AE, G. Feinman, **KM Prufer**. Assessing Classic Maya Multi-Scalar Household Inequality in Southern Belize. *PlosOne*. 16(3), e0248169. 2021
64. Monteleone, K, AE Thompson, and **KM Prufer**. Virtual Cultural Landscapes: Geospatial Visualizations of Past Environments. *Archaeological Prospection*. Doi 10.1002/arp.1830 2021
63. Thompson AE and **KM Prufer**. Household Inequality, Community Formation, and Land Tenure in Classic Period Lowland Maya Society. *Journal of Archaeological Method and Theory* 2021 doi.org/10.1007/s10816-020-09505-3
62. Smith, ME., SG. Ortman, J Lobo, C Ebert, AE. Thompson, **KM Prufer**, R Liendo Stuardo, and RM. Rosenswig. The Low-Density Urban Systems of the Classic Period Maya and Izapa: Insights from Settlement Scaling Theory. *Latin American Antiquity* 2021 doi:10.1017/laq.2020.80.
61. Kennett, DJ* **KM Prufer***, BJ Culleton, RJ George, M Robinson, WR Trask, G Buckley, E Moes, E Kate, TK Harper, L O'Donnell, E Ray, EK Hill, A Alsgaard, C Merriman, C Meredith, HJH Edgar, and S Gutierrez. Early Isotopic Evidence for Maize as a Staple Grain in the Americas. *Science Advances* 23, eaba3245 DOI: 10.1126/sciadv.aba3245, 2020 (*corresponding authors)
60. **KM, Prufer** Nuevas perspectivas sobre ocupaciones paleoindias y arcaicas en Belice”, *Arqueología Mexicana*, núm. 165, 2020 pp. 32-34.
59. **KM, Prufer**, M. Robinson, and DJ Kennett. Recent research in the Bladen Nature Reserve: the preceramic occupations of Mayahak Cab Pek and Saki Tzul Rockshelters. *Research Reports in Belizean Archaeology*, Vol. 17, 2020, pp. 199-208.
58. Jordan, J. and **KM Prufer**. Identifying Local and Non-Local Pottery in Three Tombs at Uxbenká, Toledo District: Results of Thin Section Analysis. *Research Reports in Belizean Archaeology*, Vol. 17, 2020, pp. 209-219.
57. Jordan, J. and **KM Prufer**. Pottery Production in a Limestone-Poor Region of the Maya Lowlands: Thin Section Petrography and Scanning Electron Microscopy-Energy Dispersive Spectrometry (SEM-EDS) Analysis on Pottery from Uxbenká, Southern Belize. *Journal of Archaeological Science Reports*, 2020
56. Y. Asmerom, J. U. L. Baldini, **K. M. Prufer**, V. Polyak, H. E. Ridley, V. V. Aquino, L. M. Baldini, S. F. M. Breitenbach, C. G. Macpherson, & D.J. Kennett. Intertropical Convergence Zone Variability in the Neotropics During the Common Era. *Science Advances*. 7(6) eaax3644, 2020
55. **Prufer, K.M.**, Alsgaard, A.V., Robinson, M., Meredith, C.R., Culleton, B.J., Dennehy, T., Magee, S., Huckell, B.B., Stemp, W.J., Awe, J.J. and Capriles, J.M.

Linking late Paleoindian stone tool technologies and populations in North, Central and South America. **PlosOne**, 14(7), p.e0219812, 2019

54. Lechleitner, F.A., S.Q. Lang, N Haghypour, C McIntyre, JUL. Baldini, **KM Prufer**, TI Eglinton. Towards organic carbon isotope records from stalagmites: coupled $\delta^{13}\text{C}$ and ^{14}C analysis using wet chemical oxidation. **Radiocarbon**. 61(3), pp.749-764, 2019

53. Thompson AE and **KM Prufer**. Archaeological Research in Southern Belize at Uxbenká and Ix Kuku'il. **Research Reports in Belizean Archaeology** 16: 311-322, 2019

52. C Posth, N Nakatsuka, I Lazaridis, P Skoglund, S Mallick, TC Lamnidis, N Rohland, K Nägele, N Adamski, E Bertolini, N Broomandkshosbacht, A Cooper, BJ Culleton, T Ferraz, M Ferry, A Furtwängler, W Haak, K Harkins, TK Harper, T Hünemeier, AM Lawson, B Llamas, M Michel, E Nelson, J Oppenheimer, N Patterson, S Schiffels, J Sedig, K Stewardson, S Talamo, C Wang, J Hublin, M Hubbe, K Harvati, AN Delaunay, J Beier, M Francken, P Kaulicke, H Reyes-Centeno, K Rademaker, WR Trask, M Robinson, SM Gutierrez, **KM Prufer**, DC Salazar-Garcia, EN Chim, LMP Gomes, M Lopes Alves, A Liryo, M Inglez, RE Oliveira, DV Bernardo, A Barioni, V Wesolowski, NA Scheifler, MA Rivera, CR Plens, PG Messineo, L Figuti, D Corach, C Scabuzzo, S Eggers, P DeBlasis, M Reindel, C Méndez, G Politis, E Tomasto-Cagigao, DJ Kennett, A Strauss, L Fehren-Schmitz, J Krause, D Reich, 2018. Reconstructing the Deep Population History of Central and South America. **Cell**, 175(5): 1185-1197.

51. **Prufer, KM** 2018, Preceramic Cultural History in Southern Belize and its Environmental Context. **Research Reports in Belizean Archaeology** 15, pp. 241-251

50. Robinson, M., De Souza, J.G., Maezumi, S.Y., Cárdenas, M., Pessenda, L., **Prufer, K.**, Corteletti, R., Scunderlick, D., Mayle, F.E., Blasis, P. and Iriarte, J., 2018. Uncoupling human and climate drivers of late Holocene vegetation change in southern Brazil. **Nature Scientific Reports**, 8(1), p.7800.

49. Thompson, A.E., Meredith, C.R. and **Prufer, KM**, 2018. Comparing geostatistical analyses for the identification of neighborhoods, districts, and social communities in archaeological contexts: A case study from two ancient Maya centers in southern Belize. **Journal of Archaeological Science**, 97, pp.1-13.

48. Smirnov, D. S. E. B. Breitenbach, F. Georg, F. Lechleitner, **K. M. Prufer**, J. Baldini, N. Marwan, J. Kurths. A regime shift in the Sun-Climate connection with the end of the Medieval Climate Anomaly. **Nature Scientific Reports**. 2017

47. Lechleitner, F.A., T. Dittmar, J.U.L. Baldini, **KM Prufer**, and T.I. Eglinton. Molecular signatures of dissolved organic matter in a tropical karst system. **Organic Geochemistry**, 2017

46. **Prufer, KM**, C. Meredith, A. Alsgaard, T. Denehey, and D. J. Kennett. The Paleoindian Chronology of Tzib Te Yux Rockshelter in the Rio Blanco Valley of Southern Belize. *Research Reports in Belizean Archaeology* 14, 2017
45. Lechleitner, F.A., S.E. Breitenbach, H. Ridley, Y. Asmerom, K. Rehfeld, **KM Prufer**, D.J. Kennett, V. Aquino, V. Polyak, N. Marwan, G. Haug, T Eglinton, J. Baldini. A persistent low- to mid-latitude hydrologic seesaw over the past millennium. *Nature Scientific Reports*. 2017
44. Jordan, J. and **KM Prufer**. Identifying Domestic Ceramic Production in the Maya Lowlands: A Case Study from Uxbenká, Belize. *Latin American Antiquity*, 2017
43. **Prufer, KM**, A.E. Thompson, C. Meredith, B.J. Culleton, J. Jordan, B., C.E. Ebert, B. Winterhalder, and D.J. Kennett. The Classic Period Maya transition from an ideal free to an ideal despotic settlement system at the polity of Uxbenká. *Journal of Anthropological Archaeology* 45, 2017
42. L. Baldini, J.U.L. Baldini, J. McElwaine, A. Frappier, Y. Asmerom, K. Liu, **KM Prufer**, H. Ridley, V. Polyak, D.J. Kennett, C. Macpherson, V. Aquino, J.J. Awe, S. Breitenbach. Persistent northward North Atlantic tropical cyclone track migration over the past five centuries. *Nature Scientific Reports*, 2016
41. Lechleitner, F.A., J.U.L. Baldini, S.F.M. Breitenbach, J. Fohlmeister, C. McIntyre, B. Goswami, R.A. Jamieson, T.S. van der Voort, **KM Prufer**, N. Marwan, B.J. Culleton, D.J. Kennett, Y. Asmerom, V. Polyak, T.I. Eglinton. Hydrological and climatological controls on radiocarbon concentrations in a tropical stalagmite. *Geochimica et Cosmochimica Acta*, 2016
40. Lechleitner, F.A., T. Dittmar, J.U.L. Baldini, **KM Prufer**, and T.I. Eglinton. Molecular signatures of dissolved organic matter in a tropical karst system. *Organic Geochemistry*, 2016
39. Stemp, W.J., J.J. Awe, **KM Prufer**, C.G.B. Helmke. Design and function of Lowe and Sawmill points from the preceramic period of Belize. *Latin American Antiquity* 2016.
38. Jamieson, R. A., J.U.L. Baldini, M.J. Brett, J. Taylor, H.E. Ridley, C.J. Ottley, **KM Prufer**, J.A. Wassenburg, D. Scholz, S.F.M. Breitenbach. Intra- and inter-annual uranium concentration variability in a Belizean stalagmite controlled by prior aragonite precipitation: A new tool for reconstructing hydro-climate using aragonitic speleothems. *Geochimica et Cosmochimica Acta*, 2016.
37. **Prufer KM** and A. E. Thompson. Using LiDAR and Remote Sensing to Assess 2000 Years of Human Impacts on the Landscape. Invited article for a special issue of *Advances in Archaeological Practice*. 2016

36. Thompson, A.E. And **KM Prufer**. Preliminary Findings from Ix Kuku'il, Toledo District, Belize. *Research Reports in Belizean Archaeology* 13: 219-228. 2016
35. Moyes, H., M. Robinson, and **KM Prufer**. The Kayuko Mound Group: A Festival Site in Southern Belize. *Antiquity* 2016
34. Ridley H. E., J. U.L. Baldini, **KM Prufer**, I.W. Walczak, S.F.M. Breitenbach. High resolution monitoring of a tropical cave system reveals dynamic ventilation and hydrologic resilience to seismic activity *Journal of Cave and Karst Studies* 77(3): 183-199, 2015
33. **Prufer, KM**, A. E. Thompson, D. J. Kennett. Evaluating Airborne LiDAR for Detecting Settlements and Modified Landscapes in Disturbed Tropical Environments at Uxbenká, Belize. *Journal of Archaeological Science* 57, 2015.
32. Thompson, A. E., **Prufer, KM** Airborne LiDAR for Detecting Ancient Settlements, and Landscape Modifications at Uxbenká, Belize. *Research Reports in Belizean Archaeology* . 12, 251-259, 2015
31. Ridley, H. Y. Asmerom, S. Breitenbach, V. Aquino, K. **Prufer**, B. Culleton, V. Polyak, F. Lechleitner, D.J. Kennett, M. Zhang , N. Marwan, C. Macpherson, L. Baldini, T. Xiao, J. Awe, G. Haug Anthropogenic forcing of intertropical convergence zone position. *Nature Geosciences*, 8(2) 2015
30. Ebert, C E., K. M. **Prufer**, M. J. Macri, B. Winterhalder, D. J. Kennett. Terminal Long Count Dates and the Disintegration of Classic Period Maya Polities. *Ancient Mesoamerica*, 2014
29. Walsh, M., **KM Prufer**, B.J. Culleton, and D.J. Kennett. A late Holocene paleoenvironmental reconstruction from Agua Caliente, southern Belize, linked to cultural change at the Maya polity of Uxbenká. *Quaternary Research*, 2014.
28. Nazaroff, A. J, A. Baysal, Y. Çiftçi, & K. M. **Prufer**. Resilience or Redundance? Resource Networks and the Neolithic Chert Economy at Çatalhöyük, Turkey. *European Journal of Archaeology*. 2014 DOI: <http://dx.doi.org/10.1179/1461957114Y.0000000081>
27. **Prufer, KM** and AE Thompson. Settlements as Neighborhoods and Districts at Uxbenká: The Social Landscape of Maya Community. *Research Reports in Belizean Archaeology* , 11, 2014
26. Moyes, H and **KM Prufer**. The Geopolitics of Emerging Maya Rulers: A Case Study of *Kayuko Naj Tunich*, a Foundational Shrine at Uxbenká, Southern Belize. *Journal of Anthropological Research*, 62(2): 225-248, 2013

25. Thompson, AE, **KM Prufer**. Shifting Dynamics in the use of Space at Uxbenká. *Research Reports in Belizean Archaeology* , 10: 2013
24. Aquino, VV, **KM Prufer**, and DJ Kennett. A Re-evaluation of Site Core Occupation at Uxbenká. *Research Reports in Belizean Archaeology* , 10: 2013
23. Kennett, D. J., S. F. M. Breitenbach, V. V. Aquino, Y. Asmerom, J. Awe, J. U.L. Baldini, P. Bartlein, B. J. Culleton, C. Ebert, C. Jazwa, M. J. Macri, N. Marwan, V. Polyak, K. M. **Prufer**, H. E. Ridley, H. Sodemann, B. Winterhalder, G. H. Haug. Development and Disintegration of Maya Political Systems in Response to Climate Change. *Science*. 338: 788-791, 2012
22. Breitenbach, SFM., K Rehfeld, B Goswam, JUL. Baldini, HE Ridley, D Kennett, **KM Prufer**, VV Aquino, Y Asmerom, VJ Polyak, H Cheng, J Kurths, and N Marwan. Constructing Proxy Age-Models (COPRA). *Climate of the Past* 8: 1765-1779, 2012
21. Culleton, BJ, **KM Prufer**, and DJ Kennett. A Bayesian AMS 14C Chronology of the Classic Maya Urban Center of Uxbenká, Belize. *Journal of Archaeological Science*. 39: 1572-1586, 2012
20. Willa R. Trask, Lori Wright and Keith M. **Prufer**. Isotopic evidence for migration and subsistence in the Southeastern Maya periphery: Preliminary evidence from Uxbenká, Toledo District, Belize. *Research Reports in Belizean Archaeology* 9: 61-75, 2012
19. Kalosky, Ethan and Keith M. **Prufer**. Recent results of settlement survey and hinterland household excavations at the classic period site of Uxbenká, Toledo district, Belize. *Research Reports in Belizean Archaeology* 9: 255-276 2012.
18. Ebert, Claire, Keith M. **Prufer**, and Douglas J. Kennett. Maya Monuments and Spatial Statistics: a GIS-Based Examination of the Terminal Classic Period Maya Collapse. *Research Reports in Belizean Archaeology* 9: 91-107 2012.
17. **Prufer**, Keith M., Holley Moyes, Brendan J. Culleton, Andrew Kindon, and Douglas Kennett. Uxbenká: The Development of a Complex Polity in the Eastern Periphery of the Maya Lowlands, *Latin American Antiquity* 22(2): 199-223. 2011
16. **Prufer**, Keith M., Douglas J. Kennett, and Brendan J. Culleton. A Preliminary AMS Radiocarbon Guided Chronology for the Development of the Uxbenká Polity in Southern Belize. *Research Reports in Belizean Archaeology* 8: 121-136, 2011
15. Kalosky, Ethan and Keith M. **Prufer**. Settlement and Society at Uxbenká: the Uxbenká Archaeological Project Settlement Survey. *Research Reports in Belizean Archaeology* 7: 229-244, 2010
14. Nazaroff, Adam J. Keith M. **Prufer**, and Brandon L. Drake, Assessing the Applicability of Portable X-ray Fluorescence Spectrometry for Obsidian Provenance

Research in the Maya Lowlands. *Journal of Archaeological Science* 27: 885-895, 2010

13. Drake, B. L., A. J. Nazaroff, K. M. **Prufer**, 2009. Error assessment of portable X-ray fluorescence spectrometry in geochemical sourcing. *SAS Bulletin* 32(3):14-17, 2010

12. **Prufer**, Keith M. and Peter S. Dunham, A Shaman's Burial from an Early Classic Cave in Maya Mountains, invited contribution to special issue of *World Archaeology* edited by Joao Zilhao 41(2) 2009

11. Brandon L. Drake, Adam J. Nazaroff, Keith M. **Prufer**. Error Assessment of Portable X-Ray Florescence Spectrometry in Geochemical Sourcing. *Society for Archaeological Sciences Bulletin* 32(3): 14-17 2009

10. Geoffrey Braswell and Keith M. **Prufer**, Political Organization and Interaction in Southern Belize, *Research Reports in Belizean Archaeology* 6: 43-55 2009

9. Moyes, Holley and Keith M. **Prufer**. The Archaeology of Kayuko Naj Tunich Cave. *Research Reports in Belizean Archaeology* 6: 191-199 2009

8. **Prufer**, Keith M, Andrew Kindon, and Douglas Kennett, Uxbenká and the Foundation of Sedentary Communities in Southern Belize. *Research Reports in Belizean Archaeology* 5: 241-250, 2008.

7. **Prufer**, Keith M. and W. Jeffrey Hurst, Chocolate and the Underworld Space of Death: The Recovery of Intact Cacao from an Early Classic Mortuary Cave. *Ethnohistory* 54(2): 273-303, 2007.

6. **Prufer**, Keith M., Andrew Kindon, and Phillip Wanyerka, Mapping Uxbenká: Site Settlement in the Rio Blanco Valley, Belize *Research Reports in Belizean Archaeology* 3: 257-270, 2006.

5. **Prufer**, Keith M. The Early Classic in Southern Belize: A Regional View from Uxbenká and Ek Xux. *Research Reports in Belizean Archaeology* 2: 169-178, 2005.

4. Morehart, Christopher, David Lentz, and Keith M. **Prufer**, Wood of the Gods: The Ritual Use of Pine (*Pinus* sp.) by the Ancient Lowland Maya. *Latin American Antiquity* 16(3): 255-274, 2005.

3. **Prufer**, Keith M., Phil Wanyerka, and Monica Shah, Wood Figurines, Manikin Scepters, and Religious Specialists in Ancient Maya Society *Ancient Mesoamerica* 14(2): 218-236, 2003.

2. Halperin, Christina T., Sergio Garza, Keith **Prufer** and James E. Brady, Evidence for the Ritual Use of Jute by the Ancient Maya *Latin American Antiquity* 14(3): 207-219, 2003.

1. Brady, James E. and Keith M. **Prufer**, Caves and Crystalmancy: Evidence for the Use of Crystals in Ancient Maya Religion. *Journal of Anthropological Research* 55(1): 129-144, 1999.

Chapters in Edited Volumes:

13. Prufer, KM and DJ. Kennett. The Holocene Occupations of Southern Belize. In: *Monumental Landscapes: How the Maya Shaped their World*. Edited by Brett A. Houk, Barbara Arroyo, and Terry G. Powis. University of Florida Press, Gainesville. Pp. 16-38, 2020.

12. **Prufer**, Keith M. Introduction Sacred Spaces as Subject and Study in the Mesoamerican Landscape. In *Memory Traces: Analyzing Sacred Space at Five Mesoamerican Sites* Edited by C. Kristin-Graham and L. Amrhein. Pp. 3-20. 2015, University Press of Colorado, Boulder.

11. Chase, A. F., L. J. Lucero, V. L. Scarborough, D. Z. Chase, R. Cobos, N. Dunning, J. Gunn, S. Fedick, V. Fialko, M. Hegmon, G. Iannone, D. L. Lentz, R. Liendo, K. **Prufer**, J. A. Sabloff, J. Tainter, F. Valdez, Jr., and S. van der Leeuw. 2014 Tropical Landscapes and the Ancient Maya: Diversity in Time and Space, in A.F. Chase and V.L. Scarborough, Eds., *The Resilience and Vulnerability of Ancient Landscapes: Transforming Maya Archaeology through IHOPE*, AP3A Paper 24(1), pp. 11-29, American Anthropological Association, Arlington, VA. 2014

10. Iannone, G., K. M. **Prufer**, and D. Z. Chase. 2014 Resilience and Vulnerability in the Maya Hinterlands. In *The Resilience and Vulnerability of Ancient Landscapes: Transforming Maya Archaeology through IHOPE*. AP3A Paper 24(1) pp. 155-170 American Anthropological Association, Arlington, VA. 2014

9. Prufer, Olaf H. and Keith M. **Prufer**, Caves and Rockshelters in Ohio. In *Journeys into the Dark Zone: A Cross Cultural Perspective on Caves as Sacred Spaces*, H. Moyes, editor. University Press of Colorado, Boulder, 2013

8. **Prufer**, Keith M., Shamans, Caves, and the Roles of Ritual Specialists in Maya Society. In: *In The Maw of the Earth Monster: Studies of Mesoamerican Ritual Cave Use*, James E. Brady and Keith M. **Prufer**, editors, University of Texas Press, Austin, pp.186-222, 2005

7. **Prufer**, Keith M. and James E. Brady, Introduction: Religion and the Role of Caves in Lowland Maya Archaeology. In Keith M. **Prufer** and James Brady, editors *Stone Houses and Earth Lords: Maya Religion in the Cave Context* University Press of Colorado, Boulder. Pp. 1-32, 2005.

6. **Prufer**, Keith M. and James E. Brady, Concluding Comments. In: *In The Maw of the Earth Monster: Studies of Mesoamerican Ritual Cave Use*, James E. Brady and Keith M. **Prufer**, editors, University of Texas Press, Austin. pp. 403-412, 2005.

5. **Prufer**, Keith M. and Andrew Kindon, Replicating the Sacred Landscape: The Ch'een at Muklebal Tzul. In Keith M. **Prufer** and James Brady, editors *Stone Houses and Earth Lords: Maya Religion in the Cave Context*, University Press of Colorado, Boulder. Pp. 33-50, 2005.
4. Brady, James E. and Keith M. **Prufer**, Introduction: A History of Mesoamerican Cave Interpretation. In: *In The Maw of the Earth Monster: Studies of Mesoamerican Ritual Cave Use*, James E. Brady and Keith M. **Prufer**, editors, University of Texas Press, Austin pp. 1-18, 2005.
3. Brady, James E. and Keith M. **Prufer**, A New Look at Religion and Cosmology. In Keith M. **Prufer** and James Brady, editors *Stone Houses and Earth Lords: Maya Religion in the Cave Context*, University Press of Colorado, Boulder. 311-322. 2005.
2. Saul, Julie, Keith M. **Prufer**, and Frank Saul, Osteobiographical Studies of a Skeletal Population from Settlement Rockshelters in the Ek Xux Valley, Belize. In Keith M. **Prufer** and James Brady, editors *Stone Houses and Earth Lords: Maya Religion in the Cave Context* University Press of Colorado, Boulder, 172-190, 2005.
1. Dunham, Peter S. and Keith M. **Prufer**, En la Cumbre del Clásico: Descubrimientos Recientes en la Montaña Maya en el Sur de Belice. In *XI Simposio de Investigaciones Arqueológicas en Guatemala*. (Juan Pedro Laporte and Héctor L. Escobedo, editors), Ministerio de Cultura y Deportes, Instituto de Antropología e Historia y Asociación Tikal, Ciudad de Guatemala, pp. 165-170, 1997.

Encyclopedia Entries:

Prufer, Keith M. Animatism. In Encyclopedia of Anthropology, Five-Volume Set, H. James Brix, Series Editor. Vol. 1: Pp. 69, Sage Publications, 2006

Prufer, Keith M. Sacred Landscapes. In *Encyclopedia of Anthropology, Five-Volume Set*, H. James Brix, Series Editor. Vol 4: Pp. 573-574, Sage Publications, 2006

Technical Reports:

Prufer KM, E. Ray and P. Lynch. *The Bladen Paleoindian and Archaic Archaeological Project: Reports on the 2019 Field Season in Toledo district, Belize*. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation. 146 pages. 2020.

Prufer KM. *The Bladen Paleoindian and Archaic Archaeological Project and Uxbenká Archaeological Project: Reports on the 2018 Field Season in Toledo district, Belize*. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation. 57 pages. 2019.

Prufer KM, A. E. Thompson, A. V. Alsgaard, and M. Robinson. *The Bladen Paleoindian and Archaic Archaeological Project and Uxbenká Archaeological Project:*

Reports on the 2017 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation. 78 pages. 2018.

Prufer KM and A. E. Thompson, editors. *The Bladen Paleoindian and Archaic Archaeological Project and Uxbenká Archaeological Project: Reports on the 2016 Field Season in Toledo district, Belize.* Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation. 192 pages. 2017.

Prufer, K. M. and A. E. Thompson, editors. *The Uxbenká Archaeological Project: Reports on the 2015 Field Season in Toledo district, Belize.* Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation. 236 pages. 2016

Prufer, KM and A.E. Thompson, editors. *The Uxbenká Archaeological Project: Reports on the 2014 Field Season in Toledo district, Belize.* Report to the Institute of Archaeology, Government of Belize, and Alphawood Foundation, 2015

Prufer, KM and A.E. Thompson, editors. *The Uxbenká Archaeological Project: Reports on the 2013 Field Season in Toledo district, Belize.* Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation, 2014

Prufer, KM C. Merriman, C. Meredith, W. Trask, M. Robinson, J. Ramos, *The Bladen Paleoindian and Archaic Project, 2014 Field Season.* Report prepared for the Forest Department, Government of Belize, 2014

Small, E., A.E. Thompson, and **KM Prufer**. Annual *milpa* classifications of recovering vegetation from the Santa Cruz Village, Belize. In, **Prufer**, Keith M. and Amy E. Thompson Technical Report (editors) *The Uxbenká Archaeological Project: Reports on the 2013 Field Season in Toledo district, Belize.* Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation, 2014.

Prufer, Keith M. and Amy E. Thompson Technical Report (editors) *The Uxbenká Archaeological Project: Reports on the 2013 Field Season in Toledo district, Belize.* Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation, 2013.

Prufer, Keith M., Harriet Ridley, Megan Walsh, Valorie V. Aquino, James Baldini, Yemane Asmerom, Victor Polyak, Sebastian Breitenbach, and Douglas Kennett. Paleoclimate reconstruction, environmental monitoring, and paleoecological reconstruction in southern Belize. In **Prufer**, Keith M. Ehsan Kalosky, Amy E. Thompson, and Valorie V. Aquino (editors). *The Uxbenká Archaeological Project: Reports on the 2012 Field Season in Toledo district, Belize.* Report to the Institute of

Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation 2013

Prufer, Keith M. Ethan Kalosky Amy E. Thompson, and Valorie V. Aquino (editors). The Uxbenká Archaeological Project: Reports on the 2012 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation 2013

Prufer, Keith M. and Amy E. Thompson Technical Report (editors) The Uxbenká Archaeological Project: Reports on the 2011 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation 2012

Prufer, Keith M and Douglas J. Kennett Introduction: The 2011 Season Of The Uxbenká Archaeological Project (UAP). In The Uxbenká Archaeological Project: Reports on the 2011 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation 2012, pp. 2-9, edited by K. M. **Prufer** and A. E. Thompson.

Kennett, Douglas J., Sebastian Breitenbach, Yemane Asmerom, James Baldini, Keith M.

Prufer, Victor Polyak, Valorie V. Aquino, Harriet Ridley, Jaime Awe, and Gerald Haug. Paleoclimate Reconstruction and Environmental Monitoring at Yok Balum Cave. In The Uxbenká Archaeological Project: Reports on the 2011 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation 2012, pp. 108-129, edited by K. M. **Prufer** and A. E. Thompson.

Nazaroff, Adam Joseph and Keith M. **Prufer**, Continuing Geochemical and Technological Analysis of Lithic Materials at Uxbenká. In The Uxbenká Archaeological Project: Reports on the 2011 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation 2012, pp. 130-144, edited by K. M. **Prufer** and A. E. Thompson.

Walsh, Megan, Douglas Kennett, Keith **Prufer**, and Brendan Culleton. Paleoenvironmental Reconstruction in the Uxbenká Region: Preliminary Studies Utilizing Sediment Cores to Reconstruct Ecological History. In The Uxbenká Archaeological Project: Reports on the 2011 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, and Alphawood Foundation 2012, pp. 145-159, edited by K. M. **Prufer** and A. E. Thompson.

Prufer, Keith M., Douglas J. Kennett, and Ethan Kalosky Technical Report (editors) The Uxbenká Archaeological Project: Reports on the 2010 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, 2011

Prufer, Keith M. and Douglas J. Kennett. Introduction to the 2010 Season of the Uxbenká Archaeological Project (UAP). In *The Uxbenká Archaeological Project: Report of the 2010 Field Season*. Edited by Keith **Prufer**. Report prepared for the Belize Insititute of Archaeology, National Science Foundation, and Alphwood Foundation. University of New Mexico, 2011

Douglas J. Kennett, Sebastian F. M. Breitenbach, Yemane Asmerom, Victor Polyak, Valorie Valorie Aquino, Brendan J. Culleton, Keith M. **Prufer**, Gerald H. Haug. A 2000-Year Speleothem Rainfall Record for Southern Belize (20 BC-AD 2000). In *The Uxbenká Archaeological Project: Report of the 2010 Field Season*. Edited by Keith **Prufer**. Report prepared for the Belize Insititute of Archaeology, National Science Foundation, and Alphwood Foundation. University of New Mexico, 2011

Prufer, Keith M. Technical Report (editor) The Uxbenká Archaeological Project: Reports on the 2009 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, 2010.

Prufer, Keith M. and Douglas Kennett. Introduction: the 2009 Season of the Uxbenká Archaeological Project (UAP). In *The Uxbenká Archaeological Project: Report of the 2009 Field Season*. Edited by Keith **Prufer**. Report prepared for the Belize Insititute of Archaeology, National Science Foundation, and Alphwood Foundation. University of New Mexico, 2010

Kennett, Douglas, Sebastian Breitenbach, Gerald Haug, Yemane Asmerom, Victor Polyak, Keith **Prufer**, Valorie Aquino, Brendan Culleton. Speleothem Paleoclimatic Reconstruction in Southern Belize. In *The Uxbenká Archaeological Project: Report of the 2009 Field Season*. Edited by Keith **Prufer**. Report prepared for the Belize Insititute of Archaeology, National Science Foundation, and Alphwood Foundation. University of New Mexico, 2010

Walsh, Megan , Douglas Kennett, Keith **Prufer**, and Brendan Culleton. Paleoenvironmental Reconstruction in the Uxbenká Region: Preliminary Studies Utilizing Lake-Sediment Cores to Reconstruct Ecological History. In *The Uxbenká Archaeological Project: Report of the 2009 Field Season*. Edited by Keith **Prufer**. Report prepared for the Belize Insititute of Archaeology, National Science Foundation, and Alphwood Foundation. University of New Mexico, 2010

Ebert, Claire , Lillian Richards, Charles Mustain, Valorie Aquino, Willa Trask, Lara Noldner, and Keith M. **Prufer**. Excavations in Group D. In *The Uxbenká Archaeological Project: Report of the 2009 Field Season*. Edited by Keith **Prufer**. Report prepared for the Belize Insititute of Archaeology, National Science Foundation, and Alphwood Foundation. University of New Mexico, 2010

Holley Moyes, Mark Aldenderfer, Mark Robinson, and Keith M. **Prufer**. 2009 Excavations Conducted at the Kayuko Mound Group, Uxbenká. In *The Uxbenká*

Archaeological Project: Report of the 2009 Field Season. Edited by Keith **Prufer**. Report prepared for the Belize Institute of Archaeology, National Science Foundation, and Alphwood Foundation. University of New Mexico, 2010.

Prufer, Keith M. Technical Report (editor) The Uxbenká Archaeological Project: Reports on the 2008 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, 2009.

Prufer, Keith M. Technical Report (editor) The Uxbenká Archaeological Project: Reports on the 2007 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation, 2008.

Prufer, Keith M. Technical Report (editor) The Uxbenká Archaeological Project: Reports on the 2006 Field Season in Toledo district, Belize. Report to the Institute of Archaeology, Government of Belize, and National Science Foundation 2007.

Prufer, Keith M. Technical Report, The Uxbenká Archaeological Project (UAP): 2006 Field Season. Unpublished report to the Foundation for the Advancement of Mesoamerican Studies, Inc. <http://www.famsi.org/reports/06066/index.html>, 2007

Prufer, Keith M. Technical Report, Report of the 2005 Field Season of the Uxbenká Archaeological Project. Unpublished Report to the Institute of Archaeology, Government of Belize, 2006

Prufer, Keith M. Technical Report, The Uxbenká Archaeological Project: Report of the 2005 Field Season. Submitted to the Foundation for the Advancement of Mesoamerican Studies, Inc. <http://www.famsi.org/reports/05070/index.html> 2005

Prufer, Keith M. Technical Report , Analysis and Conservation of a Wooden Figurine Recovered from Xmuqlebal Xheton Cave in Southern Belize, Central America. Final report prepared for the Foundation for the Advancement of Mesoamerican Studies, Inc. 2001

Prufer, Keith M. Technical Report Archaeological Findings. In Report of the New Millennium Expedition Year 2000 Joint Services Scientific Expedition to the Upper Raspaculo, Maya Mountains, and Limestone Karst of the Western Chiquibul Area, Belize. Lt. Col. Alastair Rodgers, Editor. The Brake Colaton Raleigh, Devon UK, 2001

Prufer, Keith M., Steve Titus, and Christopher Koepfel. Technical Report, Phase I Cultural Resources Investigation Within Black Beauty Coal Company's Corning Mine Permit Area, Daviess County, Indiana. American Resources Group, Ltd. Cultural Resource Management Report No. 1072, Carbondale, IL. 2001

Prufer, Keith M. Technical Report Summary Report on Cave Investigations of the 1998 Season of the Maya Mountains Archaeological Project. In Progress Report of the 1999

Season of the Maya Mountains Archaeological Project. (Peter S. Dunham and Todd J. Pesek, editors). Cleveland State University, Cleveland, 2000

Prufer, Keith M. Technical Report Maya Mountains Archaeological Project (MMA) Cave Research in the Southern Maya Mountains of Belize: Preliminary Report of the 1997 and 1998 Field Seasons. In, Archaeological Research in the Southern Maya Mountains: Report of the 1997 and 1998 Field Season of the Maya Mountains Archaeological Project. Peter S. Dunham, editor. Cleveland State University, Cleveland 1999

Goldstein, David J. and Keith M. **Prufer**, Technical Report, Report on Rockshelter Excavations at Mayahak Cab Pek and Mohibal Kanchi, 1998 Field Season. In, Archaeological Research in the Southern Maya Mountains: Report of the 1997 and 1998 Field Season of the Maya Mountains Archaeological Project. Peter S. Dunham, editor. Cleveland State University, Cleveland 1999

Dunham, Peter S., Keith M. **Prufer**, R. Hays, A. Kindon, F. Saul, J. Saul, H. Mai. Technical Report The Maya Mountains Archaeological Project (MMA): Field Report of the 1999 Season. (Unpublished report for the National Geographic Society and Government of Belize), 1999

Dunham, Peter S., Keith M. **Prufer**, A. Whittemore, G. Davidse, D. Holland, V. Mooleedhar, T. Miller, P. Wenninger, and D. Doherty, Technical Report, Summary Report of the 1997 Season of the Maya Mountains Archaeological Project (MMA) Unpublished report submitted to the Government of Belize and National Geographic Society, March 1998.

Finney, Fred A., Phillip Wanyerka, Kathryn Parker, Keith **Prufer**, and David Stephenson. Technical Report, Archaeological Investigations at Selected Sites in the Cuyahoga River Valley, Cuyahoga and Summit Counties, Ohio. Institute for Minnesota Archaeology, Minneapolis, Minnesota, 1997

Prufer, Keith M. and Luella Beth Hillen Technical Report, "2nd and 3rd Addendum to the Reconnaissance Survey for a Proposed Gas Pipeline Through Portions of Fairfield, Perry, Muskingum, and Noble Counties, Ohio" Archaeological Services Consultants, Inc. Columbus, Ohio, 1991

Reviews:

Prufer, Keith M. Review of Settlement and Archaeology at Quiriguá, Guatemala, by Wendy Ashmore, Journal of Anthropological Research, 64(1): 154, 2008

Prufer, Keith M. Review of *Alcohol in Ancient Mexico*, by Henry J. Bruman. Economic Botany 56(2): 215-216, 2004

Prufer, Keith M. Review of the Film *Since the Company Came* Anthropology Review Database. February 2003. Electronic document.
<http://wings.buffalo.edu/ARD/showme.cgi?keycode=1870>, 2003.

Other (Popular media):

Prufer, Keith M. (magazine article) Two Jewels of the South: Toledo's Uxbenká and Santa Cruz Village. *Belize Today* 2(13): 25-28, 2006

Symposia Organized

Symposium: Interdisciplinary Approaches to Studying Human Social Dynamics: A Case Study from Southern Belize. With AE Thompson. (82nd Annual meeting Society for American Archaeology, March 2017).

NSF Research Team Seminar Linking the Past to the future: 2000 Years of Human Resilience and Socioecological Change in the Central American Tropics. (School for Advanced Research, Santa Fe, with Rebecca Zarger, January 2017).

Session: Evolution of Ancient Maya Society as a Complex System, co-organized with Arlen Chase. CCS15 (Conference on Complex Systems 2015). Tempe AZ, Sept. 2015

Symposium: IHOPE-Maya Society as a Complex System, co-organized with Sander van der Leeuw and Joseph Tainter. Arizona State University, School of Sustainability, Complex Adaptive Systems. 11/14/14, Tempe.

Symposium Pa Li Eb'il Tzul: Recent Archaeological and Epigraphic Investigations at Uxbenká And Pusilhá, co-organized with Geoffrey Braswell, (73rd annual meeting of the Society for American Archaeology, Austin TX), 2008

Cave Perspectives on Mesoamerican Politics and Religion. (72nd annual meeting of the Society for American Archaeology, Austin TX), 2007

The Intersection between Archaeology and Community in the Developing World, co-organized with Shoshaunna Parks (105th Annual meeting of the American Anthropological Association, San Jose, CA.), 2006

Caves and Settlement: The Socio-Religious Context of Mesoamerican Cave Use (70th annual meetings of the Society for American Archaeology, Salt Lake City, UT), 2005

The Importance of Ritual Space in Subterranean Mesoamerica (69th annual meetings of the Society for American Archaeology, Montreal Quebec), 2004

Reconstructing Maya Ritual and Cosmology in the Cave Context, with James Brady (67th annual meetings of the Society for American Archaeology, Denver Co.), 2002

The Maya Mountains Archaeological Project with Rebecca Hays (66th annual meetings of the Society for American Archaeology, New Orleans, LA), 2001

New Directions in Mesoamerican Cave Archaeology with Patricia Austin (The 62nd annual meetings of the Society for American Archaeology, Nashville, TN), 1997

Conference Papers and Published Abstracts

KM Prufer Lidar, archaeology, and human adaptations in the neotropics. Earth Archive Virtual Congress. June 2021

M Lemly, AE Thompson KM Prufer—Modeling Ancient Maya Transportation and Trade Routes in Southern Belize with a Least Cost Path Analysis. (44th Annual meeting Society for American Archaeology, March 2020)

M Gonzales, AE Thompson, KM Prufer—Geospatially Modeling Neighborhoods Using Least Cost Paths at the Classic Period Maya Center Uxbenká (44th Annual meeting Society for American Archaeology, March 2020)

AE Thompson, L Pacheco-Cobos, E Chévez, KM Prufer— Social Network Analysis and Neighborhoods among the Classic Period Maya of Uxbenká and Ix Kuku'il, Southern Belize (44th Annual meeting Society for American Archaeology, March 2020)

E Ray, PA Lynch, E Moes and KM Prufer—Changes in Weaning Age from Hunter-Gatherers to Agriculturalists: A Stable Isotope Study in Southern Belize (44th Annual meeting Society for American Archaeology, March 2020)

A Alsgaard, C Freiwald, S Orsini, DJ Kennett, KM Prufer—From Armadillo Scutes to Peccary Skulls: Changing Foraging Efficiency during the Transition to Agriculture in Southern Belize (44th Annual meeting Society for American Archaeology, March 2020)

PA Lynch, HJH Edgar, VJ Polyak, G Canto Aguilar, A Arguelles, Y Asmerom
Inferring geographic origins and migration among Middle Formative individuals from the Central Highlands of Mesoamerica using strontium isotopes Abstracts American Journal of Physical Anthropology 171, 168-168, 2020

Prufer, KM, S Breitenbach, J Baldini, T Braun, E Ray, L Baldini, Vi Polyak, F. Lechleitner, N Marwan, DJ Kennett, Y Asmerom. A 1,600 year record of paleoseasonality from the neotropics of Central America and its implications for rainfall predictability in agricultural societies. Session: Novel and quantitative methods for reconstructing continental palaeoenvironments and palaeohydrology. European Geochemical Union. Vienna. April 2020

O. Kwiecien and KM. Prufer. Mapping the isotopic composition of modern land snails into their microhabitat – a pilot study from a tropical rainforest. International Biogeography Society, Amsterdam, March 2020.

K.M. Prufer and E. E. Ray. Seasonality in Southern Mesoamerica 400-2000 CE. Modern Approaches to Seasonality Studies. Rur Bochum University, Germany, 9-11 Oct. 2019.

A. O'Donnell, E. Moes, E. C. Hill, D. J. Kennett and K. M. Prufer—Indicators of Skeletal Stress in a Small Skeletal Sample Spanning the Holocene in the Maya Mountains of Belize. (43nd Annual meeting Society for American Archaeology, March 2019)

L. Pacheco-Cobos, A Thompson, C. Cortez, B. Winterhalder and K. M. Prufer The Effects of Households and Labor Requirements on Intracommunity Boundary Formation, Settlement Choices, and Neighborhood Functions in Modern and Prehistoric Communities. (43nd Annual meeting Society for American Archaeology, March 2019)

C. Meredith and K. M. Prufer. Forager Mobility Patterns in Southern Belize: Preliminary Results from a Holocene-Length Record. (43nd Annual meeting Society for American Archaeology, March 2019).

T. Dennehy, C. Merriman and K. M. Prufer. Preparing for Life on the Move: Lithic Platform Characteristics and Forager Mobility. (43nd Annual meeting Society for American Archaeology, March 2019).

K. M Prufer, M. Robinson, A. Alsgaard, and D. Kennett. Rethinking the Age of Lowe and Regional Links to Lower Central and South America during the Late Paleoindian Period. (17th Belize Archaeology and Anthropology Symposium, San Ignacio, Belize, 2019).

J. M. Jordan and Keith M. Prufer Evaluating Interaction at Uxbenká: Stylistic and Technological Analyses of Pottery from Primary Contexts. (17th Belize Archaeology and Anthropology Symposium, San Ignacio, Belize, 2019).

O Kwiecien, A Negri, VC Barucchi, K Prufer. Application of delta¹⁸O of land snail shells in environmental reconstruction -- theory and praxis. Geophysical Research Abstracts 21, 2019

Keith M. Prufer Bioarchaeology in the Bladen: Continuity in Mortuary Practices Over the Holocene in Remote Rockshelter Sites in Southern Belize. (16th Belize Archaeology and Anthropology Symposium, San Ignacio, Belize, 2018).

A. E. Thompson and Keith M. Prufer Low-Density Urbanism and Community Development at the Classic Period Ix Kuku'il, Toledo District, Belize. (16th Belize Archaeology and Anthropology Symposium, San Ignacio, Belize, 2018).

K.M. Prufer, Early Human Biology, Ecology, and Archaeology in the Lowland Tropics of Central America. (83nd Annual meeting Society for American Archaeology, March 2018)

A. E. Thompson, J. Jordan and K. M. Prufer—Household Distributions and Social Organization of the Ancient Maya in Southern Belize. (83nd Annual meeting Society for American Archaeology, March 2018).

A. Alsgaard, C. Freiwald, S. Orsini, D. J. Kennett and K. M. Prufer—Quantifying the Exploitation of Faunal Remains by Preceramic Societies in Southern Belize. (83nd Annual meeting Society for American Archaeology, March 2018).

C. Meredith and Keith M. Prufer. The Rise and Fall of the Forest Canopy: An Application of Compound-Specific Stable Isotopic Analysis to a Holocene Sequence of Soils as a Record of Human Impacts in Southern Belize. (83nd Annual meeting Society for American Archaeology, March 2018).

Hill, E.C., Moes, E., Trask, W.R., Kate, E., McKenzie, C., Edgar, H.J., Kennett, D.J. and Prufer, K.M., April. Current research on Late Pleistocene and Early Holocene human remains from the Bladen Nature Reserve in southern Belize (meetings of the American Association of Physical Anthropology, 2018).

Asmerom, JUL Baldini, KM Prufer, VJ Polyak, HE Ridley, VV Aquino, LM Baldini, SFM Breitenbach, DJ Kennett Inter Tropical Convergence Zone Dynamics of the Neotropics During the Common Era. Y, American Geophysical Meetings, December 2018.

Unravelling the Natural and Anthropogenic Drivers of North Atlantic Tropical Cyclone Track Position since the Little Ice Age. L. Baldini, JUL Baldini, J. McElwaine, AB Frappier, Y. Asmerom, K. Liu, **KM Prufer**, H. Ridley, VJ Polyak, DJ Kennett, C. Macpherson, VV Aquino, J. Awe, and SFM. Breitenbach. Meetings of the American Geophysical Union, New Orleans, December 2017

K. M. Prufer, M. Robinson, and Douglas Kennett. New Evidence for Early Humans in Belize. (15th Belize Archaeology and Anthropology Symposium, San Ignacio, Belize, 2017).

The Development and Resilience of Complex Polity in the Southern Maya Lowlands: A Decade of Research at Uxbenká, Toledo, Belize (82nd Annual meeting Society for American Archaeology, March 2017).

Geomorphic and Isotopic Indicators of Anthropogenic Change from Holocene-Length Alluvial Deposits in the Rio Blanco Watershed. C. Meredith, C. Merriman, J. Thompson-Jobe and **KM Prufer** (82nd Annual meeting Society for American Archaeology, March 2017).

Identifying the Drivers of Central American Rainfall Shifts: Implications for Past, Present, and Future Human Behavior. JUL Baldini, **KM. Prufer**, Y. Asmerom, F. Lechleitner and SFM Breitenbach (82nd Annual meeting Society for American Archaeology, March 2017).

Comparison of a Community-Scale Classic Maya Political Adaptive Cycle with a Bimonthly-Resolved Paleoclimate Record from Uxbenká, Belize. V. Aquino, D.J. Kennett, Y. Asmerom and **KM. Prufer** (82nd Annual meeting Society for American Archaeology, March 2017).

Settlement Development and Social Landscapes at the Classic Period Maya Center Uxbenká. AE Thompson, **KM. Prufer**, C Meredith and JM. Jordan (82nd Annual meeting Society for American Archaeology, March 2017).

Studying Past Human-Environment Interactions with High Precision AMS 14C at Penn State. DJ Kennett, BJ Culleton, **KM Prufer** (82nd Annual meeting Society for American Archaeology, March 2017).

13,000 Years of Tipping Points and Phase Shifts: Cultural Change and Landscape Transformation in the Evolution of the Río Blanco Valley of Southern Belize. 14th Annual Tulane Maya Symposium. New Orleans. March 4th 2017.

An annually-resolved stalagmite tropical cyclone reconstruction from Belize reveals a northward shift in North Atlantic storm track position since 1550 C.E. L Baldini, J Baldini, J McElwaine, A Frappier, Y Asmerom, K Liu, K **Prufer**, Harriet R, Vi Polyak, D Kennett, C Macpherson, V Aquino, J Awe, and S Breitenbach. European Geophysical Union, Vienna March 2017.

Changing Food Choices from Paleoindian to Classic Maya Periods: A Zooarchaeological Analysis. S. Orsini, C. Friewald and **KM Prufer** 81th annual meeting of the Society for American Archaeology, Orlando Fl.), 2016

Analyzing Ancient Maya Settlement Patterns through the Geochemical Analysis of Obsidian Artifacts in Southern Belize. A. Thompson and K. M. **Prufer**. 81th annual meeting of the Society for American Archaeology, Orlando Fl.), 2016

Natural and anthropogenic forcing of North Atlantic tropical cyclone track position since 1550 A.D. L Baldini, J Baldini, J McElwaine, A Frappier, Y Asmerom, K Liu, K **Prufer**, Harriet R, Vi Polyak, D Kennett, C Macpherson, V Aquino, J Awe, and S Breitenbach. European Geophysical Union, Vienna, March 2016.

Rethinking Lowe as a Diagnostic of the Late Archaic: New Chronological Date from Southern Belize K. M. **Prufer**, A. Alsgaard, C. Meredith, and T. Dennehy 14th Belize Archaeology and Anthropology Symposium, San Ignacio, Belize, 2016.

Human-Climate-Landscape Interactions within the Rio Blanco Basin, Southern Belize. J. Thompson, C. Merriman, C. Meredith, K. **Prufer** and M. Walsh. 80th annual meeting of the Society for American Archaeology, San Francisco Ca.), 2015

Late Classic Household Ceramic Production at Uxbenká, Belize. J. Jordan and K. **Prufer**. 80th annual meeting of the Society for American Archaeology, San Francisco Ca.), 2015

Examination of Paleoindian and Archaic subsistence in Southern Belize. C. Meredith, W. Trask, and K. M. **Prufer**. 80th annual meeting of the Society for American Archaeology, San Francisco Ca.), 2015

IHOPE Maya: Linking Lessons of the Past to Our Present and Future. **KM Prufer**. 80th annual meeting of the Society for American Archaeology, San Francisco Ca.), 2015

Linkages Between Climate and Environmental Changes Since 500 BCE: Assessing the Roles of Micro and Macro Level Changes in the Tropical Lowlands. CCS15 (Conference on Complex Systems 2015). Tempe AZ, Sept 2015.

The roles of ENSO and Solar influence on Central American rainfall during the past millennium from bi-monthly speleothem isotopic data. Yemane Asmerom, Harriet Ridley, Victor Polyak, Valorie Aquino, Seastian F.M. Breitenach, James Baldini, Keith **Prufer**, Douglas Kennett. Goldschmidt2015, Prague.

North Atlantic tropical cyclone track migration since 1550 A.D. Baldini, L., J. U.L. Baldini, A. B. Frappier, H. E. Ridley, Y. Asmerom, K. M. **Prufer**, S. F.M. Breitenbach, V. V. Aquino, V. Polyak, and J. Awe. European Geophysical Union, Vienna, March 2015.

¹⁴C from a 2,000 year long speleothem records carbon cycle dynamics and solar activity in Belize, Central America. Lechleitner F. A., S.F.M. Breitenbach, C. McIntyre, Y. Asmerom, K. **Prufer**, V. Polyak, D. J. Kennett, B. J. Culleton, T. I. Eglinton, J. U.L. Baldini. European Geophysical Union, Vienna, March 2015.

Volcanic forcing of the North Atlantic Oscillation over the last 2,000 years. Breitenbach, S.F.M., H.E. Ridley, F.A. Lechleitner, Y. Asmerom, K. Rehfeld, **KM Prufer**, D. J. Kennett, V.V. Aquino, V. Polyak, B. Goswami, N. Marwan, G. H. Haug, J.U.L. Baldini. European Geophysical Union, Vienna, March 2015.

2000 years of northern hemisphere volcanic activity recorded in carbon isotopes in a speleothem from Belize, Central America. Lechleitner, F. A., S.F.M. Breitenbach, H. Ridley, C. McIntyre, Y. Asmerom, K. Rehfeld, K. M. **Prufer**, D. J. Kennett, V. V. Aquino, V. Polyak, B. Goswami, N. Marwan, G. H. Haug, J. U.L. Baldini. International Conference on Volcanoes, Climate, and Society. Oeschger Centre for Climate Change Research University of Bern, 2015

Ecology, Land use, and Despotism from the Past to the Future in the Southeastern Lowlands. **KM Prufer**. IHOPE-Maya Society as a Complex System. Arizona State University School of Sustainability, Complex Adaptive Systems. 2014.

LiDAR and the Landscape: Using Remote Sensing to Examine Archaeological and Ecological Contexts near Santa Cruz village, Toledo District, Belize. K. M. **Prufer**, A. E. Thompson, and E. Small. Chacmool , Univ. Calgary 2014

Pre-Ceramic People of Southern Belize: Preliminary Studies of Early Human Adaptation in the Maya Lowlands. K. M. **Prufer**, C. Merriman, C. Meredith, M. Walsh, J. Thompson, W. Trask, M. Robinson, J. Ramos, and J. Awe. 12th Belize Archaeology and Anthropology Symposium, San Ignacio, Belize, 2014.

Effects of Natural and Anthropogenic Aerosols on ITCZ Position. Ridley H, Asmerom Y, Baldini J, Breitenbach S, Aquino V, **Prufer** K, Culleton B, Polyak V, Lechleitner F, Kennett D, Zhang M, Marwan N, Macpherson C, Baldini L, Xiao T, Awe J & Haug G. Goldschmidt 2014, San Francisco, 2014

Late Holocene ¹⁴C Variations Recorded by a Speleothem from Yok Balum Cave, Belize Lechleitner FA, McIntyre C, Breitenbach SFM, Polyak V, Asmerom Y, **Prufer KM**, Culleton BJ, Kennett DJ, Baldini JUL & Eglinton TI. Goldschmidt 2014, San Francisco, 2014

Discussant. Symposium: Lighting Dark Passages Part 1: Celebrating Thirty Years of James E. Brady's Contributions to Cave Archaeology. (79th annual meeting of the Society for American Archaeology, Austin Tx), 2014

Tropical Sustainability from an Ancient Context. **KM Prufer** (IHOPE Maya Conference, University of Texas at Austin) 2014.

Local Variation of Settlement Patterns at Uxbenká and Ix Kuku'il, Toledo District, Belize. Amy Thompson, Eric Fries and Keith **Prufer** (79th annual meeting of the Society for American Archaeology, Austin Tx), 2014

Discussant, Symposium: The Light And Dark Sides of Las Cuevas, Belize. (79th annual meeting of the Society for American Archaeology, Austin Tx) 2014

Evaluating Airborne LiDAR for Detecting Settlements and Modified Landscapes in Disturbed Environments at Uxbenka, Belize. Keith M. **Prufer** and Amy E. Thompson. (79th annual meeting of the Society for American Archaeology, Austin Tx) 2014

Climatic and Anthropogenic causes of erosion at Uxbenká, Belize. Christopher Merriman, Keith **Prufer** and Megan Walsh. (79th annual meeting of the Society for American Archaeology, Austin Tx) 2014

Settlements as Neighborhoods and Districts at Uxbenka: The Social Landscape of a Maya Community. **Prufer**, Keith M. and Amy E. Thompson. (11th Belize Archaeology and Anthropology Symposium, San Ignacio, Belize) July, 2013

Contextualizing Uxbenka: Ceramic Analyses From Site Core and Household Contexts. Jordan, Jillian and Keith M. **Prufer**. (11th Belize Archaeology and Anthropology Symposium, San Ignacio, Belize) July, 2013

A Multi-Proxy Regional Chronology for Southern Belize. **Prufer**, Keith M. (78th annual meeting of the Society for American Archaeology, Honolulu, Hi) 2013

Through the Cave: Ancient Maya Wood in Creating Sacred Space in Southern Belize. Robinson, Mark, Holley Moyes and Keith **Prufer**. (78th annual meeting of the Society for American Archaeology, Honolulu, Hi) 2013

Detection and Evaluation: The Use of LiDAR in Archaeological Contexts at Uxbenká, Belize. Thompson, Amy and Keith M. **Prufer**. (78th annual meeting of the Society for American Archaeology, Honolulu, Hi) 2013

Chronological Calibration and the Dynamics of Climate and Culture Change at the Lowland Maya Center of Uxbenká, Belize. Aquino, Valorie, Keith M. **Prufer**, and Douglas J. Kennett. (78th annual meeting of the Society for American Archaeology, Honolulu, Hi) 2013

Integrating Ceramic and AMS 14C Chronologies at the Classic Maya Center of Uxbenká, Belize. Jillian Jordan and Keith M. **Prufer**. (78th annual meeting of the Society for American Archaeology, Honolulu, Hi) 2013

Central American rainfall changes over the past 2 ka and implications for Classic Maya society. Breitenbach, S., D.J. Kennett, G.H. Haug, V.V. Aquino, Y. Asmerom, J. Awe, J.U.L. Baldini, P. Bartlein, B. J. Culleton, C. Ebert, C. Jazwa, M. J. Macri, N. Marwan, V. Polyak, **KM Prufer**, H.E. Ridley, H. Sodemann, B. Winterhalder. PAGES, Goa, India, Feb 2013.

A 2000-year high-resolution stable isotope record from Belize – Connections to Northern Hemisphere Climate. Breitenbach, Sebastian, N. Marwan, K. **Prufer**, Y. Asmerom, G.H. Haug, D. Kennett. Daphne Workshop, Heidelberg, Germany. February 2012.

Monthly-scale palaeo-rainfall reconstructed using a Belizean stalagmite. H Ridley, JUL Baldini, CG Macpherson, **KM Prufer**, DJ Kennett, Y Amserom, EGU General Assembly Conference Abstracts 14, 10725, 2012

Monitoring tropical cave environmental parameters: Implications for palaeoclimate reconstruction, H Ridley, JUL Baldini, **KM Prufer**, EGU General Assembly Conference Abstracts 14, 10646, 2012

Household Group Variation at the Classic Period Maya Site of Uxbenká, Belize. Claire Ebert, Douglas J. Kennett and Keith M. **Prufer** (77th annual meeting of the Society for American Archaeology, Memphis TN) 2012

Preliminary Ceramic Analysis and Chronology Building at Uxbenka, Belize. Jillian Jordan and Keith M. **Prufer** (77th annual meeting of the Society for American Archaeology, Memphis TN) 2012

Changing Spaces: Shifts in Functionality of Elite Residential Groups at Uxbenká, Toledo District, Belize. Amy Thompson and Keith M. **Prufer** (77th annual meeting of the Society for American Archaeology, Memphis TN) 2012

Petitions in the Dark: Understanding the Source of Unslipped Ceramics of Naj Tunich, Guatemala. C. L. Kieffer, James E. Brady and Keith M. **Prufer** (77th annual meeting of the Society for American Archaeology, Memphis TN) 2012

High-Resolution Chronology Building and Archaeological Stratigraphy at Uxbenká: A reevaluation of Site Core Occupation. Valorie Aquino, Brendan Culleton, and Keith M. **Prufer** (10th Belize Archaeology and Anthropology Symposium, San Ignacio, Belize) 2012

Sifting Dynamics and Use of Space at Uxbenká. Amy Thompson and Keith M. **Prufer** (10th Belize Archaeology and Anthropology Symposium, San Ignacio, Belize) 2012

IHOPE Maya: Learning from the past, informing the future. **Prufer**, Keith M. and Diane Z. Chase. Executive Session: Archaeology Division. (110th Annual meeting of the American Anthropological Association, Montreal, Quebec) 2011.

Resilience and Vulnerability in the Maya Hinterlands. Iannone, Gyles Keith M. **Prufer** and Diane Z. Chase. (110th Annual meeting of the American Anthropological Association, Montreal, Quebec) 2011.

A 2 ka stalagmite record of rainfall (and hurricane activity) from Belize, Central America. Breitenbach, Sebastian F.M., D. Kennett, Y. Asmerom, V. Polyak, **KM Prufer**, V. Aquino, B.J. Culleton, G.H. Haug. Geophysical Research Abstracts Vol. 13, (European Geophysical Union) 2011

Monitoring tropical cave parameters: how does cave hydrology and atmosphere respond to hurricanes and ENSO? Ridley, Harriet E., James U.L. Baldini, Keith M, **Prufer**, Douglas J. Kennett. (3rd International Summit on Hurricanes and Climate Change) Ixia, Rhodes, Greece, 2011.

Isotopic Evidence for Trade and Migration in the Southeastern Maya Periphery: Preliminary Evidence from Uxbenka, Toledo District, Belize. Willa Trask, Lori Wright, and Keith M. **Prufer**. (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, Belize City, Belize) 2011

IHOPE Maya: Resilience and Rigidity in the Development and Disintegration of Complex

Societies in the Tropical Lowlands of Mesoamerica. Keith **Prufer**, Vernon Scarborough, Arlen Chase, Diane Z. Chase, Rafael Cobos, Nicholas, Dunning, Joel D. Gunn, Scott L. Fedick, Vilma Fialko, Gyles Iannone, David Lentz, Rodrigo Liendo, Lisa Lucero, Jeremy A. Sabloff, Joseph Tainter, Fred Valdez, Jr., and Sander van der Leeuw. (Resilience 2011, Arizona State University) 2011

Recent Results of Settlement Survey and Hinterland Household Excavations at Uxbenka, Toledo District, Belize. Ethan Kalosky and Keith M. **Prufer**. (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, Belize City, Belize) 2011

Maya Monuments and Spatial Statistics: A GIS-Based Examination of the Terminal Classic Period Maya Collapse. Claire E. Ebert, Keith M. **Prufer**, and Douglas J. Kennett. (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, Belize City, Belize) 2011

Political Dynamics Reflected in Settlement Patterns and Household Archaeology at Uxbenká, Belize. Amy Thompson, Keith **Prufer** and Douglas Kennett. (76th annual meeting of the Society for American Archaeology, Sacramento CA.) 2011

Using Bayesian Statistics to Refine Chronology Building at Uxbenká. Valorie Aquino, Keith **Prufer** and Douglas Kennett (76th annual meeting of the Society for American Archaeology, Sacramento CA.) 2011

Settlement and Ecology at the Classic period Maya center of Uxbenka'. Ethan Kalosky and Keith **Prufer**. (76th annual meeting of the Society for American Archaeology, Sacramento CA.) 2011

Terminal Long Count Dates & the Disintegration of Classic Period Maya Polities. Claire Ebert, Keith **Prufer** and Douglas Kennett. (76th annual meeting of the Society for American Archaeology, Sacramento CA.) 2011

Isla del Idolo: a survey of an endangered archaeological site in Veracruz, Mexico. Corey Ragsdale and Keith **Prufer**. (76th annual meeting of the Society for American Archaeology, Sacramento CA.) 2011

Status Hierarchies and the Development of the Uxbenká Polity. Keith M. **Prufer** and Douglas J. Kennett. (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, Belize City, Belize), 2010

Applications of PXRF Spectrometry in Cave Research. Keith M. **Prufer** and Adam J. Nazaroff. (75th annual meeting of the Society for American Archaeology, St. Louis, Mo.), 2010

Research Applications of Lidar in Archaeology: A Case Study in Reconstructing Irrigated Agriculture in the Hawaiian Islands. McCoy, Mark, Michael Graves, Greg Asner and Keith **Prufer** (75th Annual Meeting of the Society for American Archaeology, St. Louis Mo) 2010.

The Kayuko Mound Group: A Mountain Shrine Complex. Holley Moyes and Keith M. **Prufer** (75th annual meeting of the Society for American Archaeology, St. Louis, Mo.), 2010

Development and Resilience of Complex Socioeconomic Systems: A Theoretical Model and Case Study from the Maya Lowlands. Douglas J. Kennett, Yemane Asmerom, Jaime Awe, Patrick Bartlein, Kevin Cannariato, Gerald Haug, Keith M. **Prufer**, Bruce Winterhalder, Rebecca Zarger, Valorie Aquino, Kristina Baines, Jacob Bartruff, Sebastian Breitenbach, Brendan J. Culleton, Claire Ebert, Ethan Kalosky, Cedric Puleston, Megan K. Walsh. National Science Foundation Human and Social Dynamics Conference, February 2010, Washington D.C.

Modeling Complex Human Behavioral Responses to Climate Change in the Eastern Periphery of the Maya Lowlands. Keith **Prufer**, Brendan Culleton, Bruce Winterhalder, Jaime Awe and Douglas Kennett (74th annual meeting of the Society for American Archaeology, Atlanta GA), 2009

Examining the Validity of PXRF for Obsidian Sourcing in the Maya Lowlands. Adam Nazaroff, B. Lee Drake, and Keith **Prufer**. (74th annual meeting of the Society for American Archaeology, Atlanta GA), 2009

Uxbenká Settlement Survey: Mapping Architecture in the Eastern Periphery of the Maya Lowlands. Ethan Kalosky and Keith M. **Prufer**. (poster presented at the 74th annual meeting of the Society for American Archaeology, Atlanta GA), 2009

Discussant: What is New in Mesoamerican Cave Archaeology: The Implications of New Field Discoveries for Method and Theory, Part II. (74th annual meeting of the Society for American Archaeology, Atlanta GA), 2009

Archaeometry at Uxbenká: How Science is Improving Our Understanding of the Rise and Fall of Polities in Southern Belize. Keith M. **Prufer**, Brendan Culleton, and Valorie Aquino. (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, Belize City, Belize), 2009

Settlement Organization at Uxbenká: Survey Results of the 2008 and 2009 Field Seasons. Ethan Kalosky and Keith M. **Prufer**. (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, Belize City, Belize), 2009

Rethinking early settlements in southern Belize: a view from Uxbenká. Keith M. **Prufer**, Douglas Kennett, and Brendan Culleton (107th Annual meeting of the American Anthropological Association, San Francisco CA), 2008

What do we really know about the archaeology of Southern Belize? New perspectives on 100 years of survey and excavation (73rd annual meeting of the Society for American Archaeology, Austin TX), 2008

Discussant: Electronic Symposium: Recent Advances in Mesoamerican Cave Archaeology, (73rd annual meeting of the Society for American Archaeology, Austin TX), 2008.

Classic Maya Landscape Modification in Southern Belize: Potential Soil and Water Management Features at Uxbenká, Keith M. **Prufer**, Brendan Culleton, and Douglas Kennett. (73rd annual meeting of the Society for American Archaeology, Austin TX), 2008.

Kayuko Naj Tunich: A Preclassic Mountain Shrine in Southern Belize. Holley Moyes and Keith **Prufer** (73rd annual meeting of the Society for American Archaeology, Austin TX), 2008.

In the Shadows of the Big Houses: Non-Elite Settlements at Uxbenká. Amber Schrag, Willa Trask and Keith **Prufer**, (73rd annual meeting of the Society for American Archaeology, Austin TX), 2008.

The Foundations of Uxbenká and Sedentary Communities in Southern Belize. (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, San Ignacio, Belize), 2008

Learning the Past and Valuing the Present: Educational Initiatives at Uxbenká. Rebecca Zarger, Keith M. **Prufer**, and Shoshaunna Parks (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, San Ignacio, Belize), 2008

Kayuko Naj Tunich: The Foundational Cave at Uxbenká. Holley Moyes and Keith M. **Prufer** (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, San Ignacio, Belize), 2008

Political Structure and History in Southern Belize. Geoffrey Braswell and Keith M. **Prufer** (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, San Ignacio, Belize), 2008

Classic Period Colonization of Southern Belize and the Implications of a Multiethnic Cultural Landscape. (106th Annual meeting of the American Anthropological Association, Washington DC), 2007

Contributions of Cave Archaeology to a Generalized and Comparative Understanding of Mesoamerican Societies (72nd annual meeting of the Society for American Archaeology, Austin TX), 2007

The Emergence of Sociopolitical Complexity in Southern Belize: A Case Study from the Site of Uxbenká, Toledo District, Southern Belize. Andrew Kindon and Keith M. **Prufer** (72nd annual meeting of the Society for American Archaeology, Austin TX), 2007

The Canoe in the Cave: A Case for a Burial Shrine in Southern Belize. Holley Moyes, Keith M. **Prufer**, and Bethany Myers (72nd annual meeting of the Society for American Archaeology, Austin TX), 2007

Santa Cruz and Uxbenká: Community consultation, education, and capacity building, Shoshaunna Parks, Dr. Keith M. **Prufer**, and Dr. Rebecca Zarger (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, San Ignacio, Belize), 2007

Early Political Dynamics at Uxbenká. Andrew Kindon and Keith M. **Prufer** (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, San Ignacio, Belize), 2007

Introduction to the Intersection between Archaeology and Community in the Developing World, **Prufer**, Keith M. and Rebecca Zarger, (105th Annual meeting of the American Anthropological Association, San Jose, CA.), 2006

Settlement and Architecture in Southern Belize: Temporal and Spatial Variation in a Well Defined Region. **Prufer**, Keith M. and Andrew Kindon, (71st annual meetings of the Society for American Archaeology, San Juan Puerto Rico), 2006

The Uxbenká Archaeological Project: Excavations in the Group A Plaza. **Prufer**, Keith M., Andrew Kindon, and Phillip Wanyerka, (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, San Ignacio, Belize), 2006
Sacred Geography and Mountain Caves in the Highlands of the Lowlands (70th annual meetings of the Society for American Archaeology, Salt Lake City, UT), 2005

Mapping Uxbenká: Site Settlement in the Rio Blanco Valley, Belize. **Prufer**, Keith M., Andrew Kindon, and Phillip Wanyerka, (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Lowlands, San Ignacio, Belize), 2005

Reevaluating the role of "Domestic" Ceramics in Ceremonial Cave Contexts (69th annual meetings of the Society for American Archaeology, Montreal Quebec) 2004

Caves and Rockshelters in Ohio, Olaf H. **Prufer** and Keith M. **Prufer**, (69th annual meetings of the Society for American Archaeology, Montreal Quebec) 2004.

The Early Classic in Southern Belize: A Regional View from Uxbenká. (Belize Archaeology Symposium: Archaeological Investigations in the Eastern Woodlands. Belize City, Belize), 2004

Discussant. Symposium: Social Construction of Space in Ancient America: Exploring Sacred, Ritual, Celestial, and Earthly Landscapes and Architecture. C. Kristin-Graham and L. Amrhein, organizers (68th annual meetings of the Society for American Archaeology, Milwaukee, WI), 2003

Wood of the Gods: The Role of Pine (*Pinus sp.*) in Ancient Maya Cave Rituals” Christopher Morehart, Keith **Prufer** and David Lentz (Paper presented at the 68th annual meetings of the Society for American Archaeology, Milwaukee, WI), 2003

Landscapes Made Sacred: Communities, Caves, and Ceremonial Circuits in Southern Belize. (Paper presented at the 68th annual meetings of the Society for American Archaeology, Milwaukee, WI), 2003

Replicating the Sacred Landscape: The Ce'en at Muklebal Tzul” **Prufer**, Keith M. and Andrew Kindon, (Paper presented at the 67th annual meetings of the Society for American Archaeology, Denver Co.), 2002

“New Perspectives on Maya Freshwater Shell Exploitation” Halperin, Christina, Sergio Garza, Keith M. **Prufer**, James E. Brady (Paper presented at the 67th annual meetings of the Society for American Archaeology, Denver Co.), 2002.

“Maya Mountain Rockshelter Burials: Nearer to the Gods?” Saul, Julie, Keith M. **Prufer**, Frank Saul (Paper presented at the 67th annual meeting of the Society for American Archaeology, Denver Co.), 2002

“Caves and Communities in the Maya Mountains of Southern Belize” (Paper presented at the 66th annual meetings of the Society for American Archaeology, New Orleans, LA) 2001

“The Maya Mountains Archaeological Project 1992 - 2000: A Regional Investigation of Late Classic Settlement and Economy” **Prufer**, Keith M. and Phil Wanyerka. (Paper presented at the 66th annual meetings of the Society for American Archaeology, New Orleans, LA) 2001

Together in Death: A Family Plot? Saul, Julie, Frank Saul and Keith M. **Prufer** (Paper presented at the 66th annual meetings of the Society for American Archaeology, New Orleans, LA) 2001

“Investigations of Non-Elite Rockshelter Burials in the Maya Mountains of Southern Belize.” (Paper presented at the 64th annual meetings of the Society for American Archaeology, Chicago, Illinois) 1999.

“The CE Determination of Theobromine and Caffeine in Samples of Archeological Interest” Hurst Jeffrey W., Stanley M. Tarka, Keith M. **Prufer**, and Peter S. Dunham (Paper presented at PittCon 98, New Orleans, March 1-6, 1998)

En la Cumbre del Clásico: Descubrimientos Recientes en la Montaña Maya en el Sur de Belice. Dunham, Peter S. and Keith M. **Prufer**, (Paper presented at XI Simposio de Investigaciones Arqueológicas en Guatemala, Guatemala City) 1998

“Sacred Underground Spaces and Ritual Specialists: Cave Utilization in the Maya Mountains of Southern Belize.” (Paper presented at the 96th annual meetings of the American Anthropological Association, Washington DC) 1997

"Pilgrimages for the Dead: Early Classic Mortuary Caves of Southern Belize." (Paper presented at the 62nd annual meetings of the Society for American Archaeology, Nashville, TN) 1997

“Caves and Crystalmancy: Evidence for the Use of Crystals in Ancient Maya Religion.” **Prufer**, Keith M. and James E. Brady (Paper presented at the 96th annual meetings of the American Anthropological Association, Washington DC) 1997

“Geology of the Maya Mountains Archaeological Project” Brooks, William E., Peter S. Dunham, and Keith M. **Prufer** (Paper presented at a meeting of the Colorado Scientific Society) 1995

“Geology of the Maya Mountains Archaeological Project” Brooks, William E., Peter S. Dunham, and Keith M. **Prufer** (Poster and Abstracts of the Geological Society of America meetings) 1995

“Recent Cave Investigations in the Southern Maya Mountains of Belize”, C.A. (Paper presented at the First International Symposium of Maya Archaeology, San Ignacio, Belize.) 1995

Invited Lectures:

Terminal Pleistocene through Middle Holocene Occupations in Southeastern Mesoamerica. Albuquerque Archaeological Society. Sept. 2021.

New Perspectives on Early Human Adaptations in the Neotropics of Mesoamerica. KM Prufer and DJ Kennett. Mesoamerica Meetings 2021. The Mesoamerican Center. University of Texas, Austin.

Radiocarbon in Ancient Belize. Radiocarbon Universe Webinar Series, Pennsylvania State University, Institute of Energy and the Environment. June 2020.

A new view of Paleoindian and Archaic human ecology and archaeology in the tropical lowlands of Central America. Ancestors Lecture, Maxwell Museum, January 2018.

Holocene environments and people in Central America. UNM LAII Lightning Lounge.

November 2017.

Early Holocene cultural change in the tropics of Central America. Exeter University, Department of Archaeology. October 2017

Holocene climate and cultural change in the tropics of Central America: The Maya and their ancestors. Durham University Department of Earth Science lecture series. September 2017.

Climate and cultural change in the tropics of Central America: The Maya and their ancestors. Bochum University Department of Earth Science lecture series. September 2017.

13,000 Years of Tipping Points and Phase Shifts: Cultural Change and Landscape Transformation in the Evolution of the Río Blanco (and Bladen) Valleys of Southern Belize. Tulane University Mesoamerican Research Institute. February 2017

Earliest Humans in the Tropics of Central America: The Ecology of Lowlands Hunters and Gatherers. Southwest Seminars, Santa Fe, November 2016

New data on early human occupations in neotropical Central America. UNM D2K (Data to Knowledge) Symposium, La Sevilleta Research Center. September 2016.

Environmental Change and Complex Societies. Invited lecture. Silpakorn University, Bangkok, Thailand. January 2012.

Environmental Archaeology and the Ancient Maya. Invited lecture, Environmental Studies, University of Southern California, November 2011.

Costly Signaling Theory and Pre-Columbian Cave Use in the Maya Lowlands. Society for the Advancement of Mesoamerican Studies. California State University, Los Angeles. October 2011

The Politics of Darkness: Elite Transformations of Space as Costly Signals of Power and Authority. The Pre-Columbian Society of Washington, D.C. September 25th 2010

The Maya Collapse in Social and Ecological Context. Environmental Studies Program, University of Southern California, November 4, 2008.

In the Maw of the Earth Monster, History and Religious Studies, University of New Hampshire, April 14, 2005.