

## CURRICULUM VITAE

Kaye E. Reed  
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### ACADEMIC POSITIONS

- 2021- Associate Director, Institute of Human Origins, Arizona State University, Tempe, AZ
- 2016 -2020 Director, School of Human Evolution and Social Change, Arizona State University, Tempe, AZ
- 2014-2016 Associate Director, School of Human Evolution and Social Change, Arizona State University, Tempe, AZ
- 2014 - President's Professor, Arizona State University, Tempe, AZ
- 2012 - Professor, School of Human Evolution and Social Change, Arizona State University, Tempe, AZ
- 2009-2011 Biological Anthropology Program Director, National Science Foundation, Arlington, VA
- 2006-2008 Associate Director, School of Human Evolution and Social Change, Arizona State University, Tempe, AZ
- 2002-2012 Associate Professor, School of Human Evolution and Social Change, Arizona State University, Tempe, AZ
- 1997- Research Associate, Institute of Human Origins, School of Human Evolution and Social Change, Arizona State University, Tempe, AZ
- 2000-2004 Honorary Research Associate, Department of Anatomy and Human Biology, University of the Witwatersrand Medical School, Parktown, South Africa
- 1997-2004 Director, Makapansgat Palaeoanthropology Field School, Institute of Human Origins/University of the Witwatersrand
- 1997-2002 Assistant Professor, Department of Anthropology, Arizona State University, Tempe, AZ
- 1995-1997 Postdoctoral Research Associate, Institute of Human Origins

- 1995 Coordinator/Instructor, University of the Witwatersrand Field School, Johannesburg, South Africa
- 1993-2004 Honorary Research Associate, Bernard Price Institute for Palaeontological Research, University of the Witwatersrand, Johannesburg, South Africa

## EDUCATION

- |  |                   |
|--|-------------------|
| B.S. Portland State University           | Anthropology 1989 |
| M.A. State University of NY/Stony Brook  | Anthropology 1993 |
| Ph.D. State University of NY/Stony Brook | Anthropology 1996 |

## RESEARCH INTERESTS

Early Hominid Paleoecology, Origin of the Genus *Homo*, Mammal Paleontology, Community Ecology, Mammalian Biogeography, Human Evolution, Primate Evolution, Macroecology

## ACADEMIC AWARDS

- 2014 President's Professor, Arizona State University
- 2013 Outstanding Faculty Mentor Award, Faculty Women's Association, Arizona State University
- 2002 Centennial Professorship Award for teaching and mentoring excellence, Associated Students of Arizona State University

## PUBLICATIONS - ARTICLES AND CHAPTERS

(all peer-reviewed unless indicated; graduate students are underlined; undergraduates are *italicized*; \*designates major contribution; last \***author** is director of the project)

- 2022 Rowan, J., Lazagabaster, I. A., Campisano, C. J., Bibi, F., Bobe, R., Boisserie, J. R., ... & **Reed, K. E.** (2022). Early Pleistocene large mammals from Maka'amitalu, Hadar, lower Awash Valley, Ethiopia. *PeerJ*, 10, e13210.
- 2022 Cohen, A.S., Du, A., Rowan, J., Yost, C.L. Billingsley, A.L., Campisano, C.J., Brown, E.T., Deino, A.L., Feibel, C.S., Grant, K., Kingston, J.D., Lupien, R.L., Muiruri, V. Owen, R. B., **Reed, K.E.**, Russell, J. & Stockhecke, Plio-Pleistocene environmental variability in Africa and its implications for mammalian evolution. *Proceedings of the National Academy of Sciences*, 119(16), e2107393119.
- 2022 **Reed, K.E.**, Kuykendall, K.L., Herries, A.I.R., Hopley, P.J. & Werdelin, L. Geology, fauna, and Paleoenvironmental reconstructions of the Makapansgat Limeworks Australopithecus africanus bearing paleocave. In S. Reynolds and R. Bobe (eds) *African Paleoecology and Hominin Evolution*, Cambridge University Press. In press.
- 2022 Campisano, C.J., Rowan, J., & **Reed, K.E.** The Hadar Formation, Afar Regional State, Ethiopia: Geology, Fauna, and Paleoenvironmental Reconstructions. In S. Reynolds and R. Bobe (eds) *African Paleoecology and Hominin Evolution*, Cambridge University Press. In press.
- 2022 **Reed, K. E.** From bedrock to bipeds: Review of Only in Africa. *American Journal of Biological Anthropology*.

- 2020 *Jenkins, X.A., Pritchard, A.C., Marsh, A.D., Kligman, B.T., Sidor, C.A., Reed, K.E.* Using manual ungual morphology to predict substrate use in the Drepanosauromorpha and the description of a new species. *Journal of Vertebrate Paleontology*.  
<https://doi.org/10.1080/02724634.2020.1810058>
- 2020 Rowan, J., Beaudrot, L., Franklin, J., **Reed, K.E., Smail, I.E.,** Zamora, A., Kamilar, J.M. Divergent evolutionary and ecological legacies shape large mammal biodiversity in the global tropics and sub-tropics. *Proceedings of the National Academy of Sciences*, 117: 1559-1565.
- 2019 Braun, D.R., Aldeias, V., Archer, W., Arrowsmith, J.R., Baraki, N., Campisano, C.J., Deino, A.L., DiMaggio, E.N., Dupont-Nivet, G., Engda, B., Feary, D.A., Garello, D.I., Kerfelew, Z., McPherron, S.P., Patterson, D.P., Reeves, J.S., Thompson, J.C., and **\*Reed, K.E.** Reply to Sahle and Gossa: Technology and geochronology at the earliest known Oldowan site at Ledi-Geraru, Ethiopia. *Proceedings of the National Academy of Sciences*, 116: 20261-20262.
- 2019 Braun, D.R., Aldeias, V., Archer, W., Arrowsmith, J.R., Baraki, N., Campisano, C.J., Deino, A.L., DiMaggio, E.N., Dupont-Nivet, G., Engda, B. Feary, D.A., Garello, D.I., Kerfelew, Z., McPherron, S.P., Patterson, D.P., Reeves, J.S., Thompson, J.C., and **\*Reed, K.E.** Earliest known Oldowan artifacts at > 2.58 Ma from Ledi-Geraru, Ethiopia, highlight early technological diversity. *Proceedings of the National Academy of Sciences*, 116: 11712-11717.
- 2019 A. Cohen, C. Campisano, J R. Arrowsmith, A. Asrat, A. K. Behrensmeyer, A. Deino, C. Feibel, A. Hill, R. Johnson, J. Kingston, H. Lamb, T. Lowenstein, A. Noren, D. Olago, R. B. Owen, R. Potts, **K. Reed**, R. Renaut, F. Schäbitz, J.-J. Tiercelin, M. H. Trauth, J. Wynn, S. Ivory, K. Brady, R. O’Grady, J. Rodysill, J. Githiri, J. Russell, V. Foerster, R. Dommain, J. S. Rucina, D. Deocampo, J. Russell, A. Billingsley, C. Beck, G. Dorenbeck, L. Dullo, D. Feary, D. Garello, R. Gromig, T. Johnson, Annett Junginger, M. Karanja, E. Kimburi, A. Mbuthia, T. McCartney, E. McNulty, V. Muiruri, E. Nambiro, E. W. Negash, D. Njagi, J. N. Wilson, N. Rabideaux, T. Raub, M. J. Sier, P. Smith, J. Urban, M. Warren, M. Yadeta, C. Yost, B. Zinaye. The Hominin Sites and Paleolakes Drilling Project: inferring the environmental context of human evolution from eastern African rift lake deposits.  
<https://doi.org/10.25932/publishup-41249>
- 2018 **Reed, K.E.** Hadar, In *The International Encyclopedia of Biological Anthropology*. Wiley, pp. 1-2.
- 2018 **Reed, K.E.** Paleoecology, In *The International Encyclopedia of Biological Anthropology*. Wiley, pp. 1-7.
- 2018 Lazagabaster, I.A., Souron, A., Rowan, J., Robinson, J.R., Campisano, C.J., **\*Reed, K.E.** Fossil Suidae (Mammalia, Artiodactyla) from Lee Adoyta, Ledi-Geraru, lower Awash Valley, Ethiopia: Implications for late Pliocene turnover and paleoecology. *Palaeogeography, Palaeoclimatology, Palaeoecology* 504: 186-200.
- 2017 Robinson, J.R., Rowan, J., Campisano, C.J., **\*Reed, K.E.** Late Pliocene environmental change during the transition from *Australopithecus* to *Homo*. *Nature Ecology and Evolution* 1: Article number: 0159 doi:10.1038/s41559-017- 0159
- 2017 C. J. Campisano, A. S. Cohen, J R. Arrowsmith, A Asrat, A. K. Behrensmeyer, E. T. Brown, A. L. Deino, D. M. Deocampo, C. S. Feibel, J. D. Kingston, H. F. Lamb, T. K. Lowenstein, A.

- Noren, D. O. Olago, R. B. Owen, J. D. Pelletier, R. Potts, **K. E. Reed**, R. W. Renaut, J. M. Russell, J. L. Russell, F. Schäbitz, J. R. Stone, M. H. Trauth, and J. G. Wynn (2017) "The Hominin Sites and Paleolakes Drilling Project: High- Resolution Paleoclimate Records from the East African Rift System and Their Implications for Understanding the Environmental Context of Hominin Evolution" *PaleoAnthropology* 2017:1-43
- 2017 Bibi, F., Rowan, J., **\*Reed, K. E.** Fossil Bovidae (Mammalia, Artiodactyla) from the Late Pliocene of Ledi-Geraru (Afar, Ethiopia). *Journal of Vertebrate Paleontology*.
- 2016 Rowan, J., Kamilar, J.M., Beaudrot, L., & **Reed, K.E.** Strong influence of Last Glacial Maximum climate on the structure of modern African mammal communities. *Proceedings of the Royal Society B.*, 283, 20161207.
- 2016 Wynn, J. G., **\*Reed, K. E.**, Sponheimer, M., Kimbel, W. H., Alemseged, Z., Bedaso, Z. K., & Campisano, C. J. Dietary flexibility of *Australopithecus afarensis* in the face of paleoecological change during the middle Pliocene: Faunal evidence from Hadar, Ethiopia. *Journal of Human Evolution*, 99, 93-106.
- 2016 Rowan, J., Locke, E. M., Robinson, J. R., Campisano, C. J., Wynn, J. G., & **\*Reed, K. E.** Fossil Giraffidae (Mammalia, Artiodactyla) from Lee Adoyta, Ledi-Geraru, and Late Pliocene Dietary Evolution in Giraffids from the Lower Awash Valley, Ethiopia. *Journal of Mammalian Evolution*, 1-13.
- 2016 Lazagabaster, I. A., Rowan, J., Kamilar, J. M., & **Reed, K. E.** Evolution of Craniodental Correlates of Diet in African Bovidae. *Journal of Mammalian Evolution*, 1-12.
- 2015 Villmoare, B., Kimbel, W. H., Seyoum, C., Campisano, C. J., DiMaggio, E. N., Rowan, J., Braun, D.R., Arrowsmith, J R. and **\*Reed, K. E.** Early Homo at 2.8 Ma from Ledi- Geraru, Afar, Ethiopia. *Science*, 347(6228), 1352-1355.
- 2015 DiMaggio, E. N., Campisano, C. J., Rowan, J., Dupont-Nivet, G., Deino, A. L., Bibi, F., Lewis, M.E., Souron, A., Garello, D. Werdelin, L., **\*Reed, K. E.**, and Arrowsmith R. Late Pliocene fossiliferous sedimentary record and the environmental context of early Homo from Afar, Ethiopia. *Science*, 347(6228), 1355-1359.
- 2015 Kamilar, J., Beaudrot, L., **\*Reed, K.** Climate and Species Richness Predict the Phylogenetic Structure of African Mammal Communities. *PLoS One*. 10(4): e0121808. doi:10.1371/journal.pone.0121808
- 2014 Rowan, J. and **\*Reed, K.E.** The Paleoclimatic Record and Plio-Pleistocene Paleoenvironments in Tattersall I. and Henke, W. (eds) *Handbook of Paleoanthropology*.
- 2014 Kamilar, J. M., Beaudrot, L., & **Reed, K. E.** (2014). The influences of species richness and climate on the phylogenetic structure of African haplorhine and strepsirrhine primate communities. *International Journal of Primatology*, 35(6), 1105-1121.
- 2014 Beaudrot, L., Kamilar, J., Marshall, A., **Reed, K.E.** African primate assemblages exhibit a latitudinal gradient in dispersal limitation. *International Journal of Primatology*, 35 (6), 1088-1104.
- 2013 Sponheimer, M., Alemseged, Z., Cerling, T.E., Grine, F.E., Kimbel, W.H., Leakey, M.G., Lee-Thorp, J.A., Manthi, F.K., **Reed, K.E.**, Wood, B.A., Wynn, J.G. Isotopic evidence of early

- hominin diets. Proceedings of the National Academy of Sciences. 110 (26),10513-8.
- 2013 Wynn, J.G., Sponheimer, M., Kimbel, W.H., Alemseged, Z., **\*Reed, K.**, Bedaso, Z.K. and Wilson, J.N., 2013. Diet of Australopithecus afarensis from the Pliocene Hadar formation, Ethiopia. Proceedings of the National Academy of Sciences. 110 (26),10495-10500.
- 2013 **\*Reed, K.E.**, Spencer, L.M., Rector, A.L. Faunal Approaches in Early Hominin Paleoecology in Sponheimer, M., Thorp, J.L., Reed, K.E., Ungar, P. (eds) Early Hominid Paleoecology, pp. 3-33. University of Colorado Press.
- 2013 **Reed, K.E.** Multiproxy Paleoecology: Reconstructing evolutionary context in paleoanthropology in Begun, D. (ed) Companion to Biological Anthropology, pp. 203-225. Wiley-Blackwell Publisher. DOI: 10.1002/9781118332344.ch11
- 2013 Behrensmeyer, A.K. and **\*Reed, K.E.** Reconstructing the habitats of Australopithecus: paleoenvironments, site taphonomy, and faunas in Reed, K.E., Fleagle, J.G. and Leakey, R. (eds) The Paleobiology of Australopithecus, pp. 41-62. Vertebrate Paleobiology & Paleoanthropology Series, Springer.
- 2013 Geraads, D., **\*Reed, K.**, & Bobe, R. Pliocene Giraffidae (Mammalia) from the Hadar Formation of Hadar and Ledi-Geraru, Lower Awash, Ethiopia. Journal of Vertebrate Paleontology, 33(2), 470-481.
- 2013 Dibble, H.L., Aldeias, V., Jacobs, Z., Olszewski, D.I., Rezek, Z., Lin, S.C., Alvarez-Fernández, E., Barshay-Szmidt, C.C., Hallett-Desguez, E., Reed, D., **Reed, K.E.**, Richter, D., Steele, T.E., Skinner, A.R., Blackwell, B.A.B., Doronicheva, E., and el-Hajraoui, M. On the industrial attributions of the Aterian and Mousterian of the Maghreb. Journal of Human Evolution 64 (3), 194-210.
- 2012 Dibble, H.L., Aldeias, V., Alvarez-Fernandez, E., Blackwell, B.A., Hallett-Desguez, E., Jacobs, Z., Goldberg, P., Lin, S.C., Morala, A., Meyer, M.C. and Olszewski, D.I., **Reed, K.E.**, Reed, D., Rezek, Z., Richter, D., Roberts, R.G., Sandgathe, D., Schurmans, U., Skinner, A.R., Steele, T.E. and el-Hajraoui, M. New Excavations at the Site of Contrebandiers Cave, Morocco. PaleoAnthropology 2012:145-201
- 2012 Geraads, D., Bobe, R., **Reed, K.E.** Pliocene Bovidae (Mammalia) from the Hadar Formation of Hadar and Ledi-Geraru, Lower Awash, Ethiopia. Journal of Vertebrate Paleontology 32: 180-197.
- 2011 **\*Reed, K. E.** and Bibi, F. Fossil Tragelaphini (Artiodactyla: Bovidae) from the late Pliocene Hadar Formation, Afar Regional State, Ethiopia. Journal of Mammalian Evolution 18: 57-69.
- 2010 Rector, A.L. and **\*Reed, K.E.** Middle and Late Pleistocene Faunas of Pinnacle Point and their Paleoecological Implications. Journal of Human Evolution 59(3-4):340-357.
- 2009 Pinto-Llona, A., Clark, G., Miller, A., **Reed, K.E.** Neandertals and Cro-Magnons in northern Spain: ongoing work at the Sopena Rock-shelter, (Asturia, Spain). Pp. 313-322 in Camps, M. and Szmidt, C. (eds) The Mediterranean from 50 000 to 25 000 BP: Turning Points and New Directions. Oxford: Oxbow Books.
- 2009 Copeland, S.R., Sponheimer, M., Spinage, C.A., Lee-Thorp, J.A., Codron, D, **Reed,**

- K.E.** Stable isotope evidence for impala *Aepyceros melampus* diets at Akagera National Park, Rwanda. *African Journal of Ecology* 47: 490- 501.
- 2009 **\*Reed, K.E.** and Russak, S. M. Tracking ecological change in relation to the emergence of *Homo* at the Plio-Pleistocene boundary in Grine, F. and Leakey R.E. (eds) *The First Humans - Origin and Early Evolution of the Genus Homo*. SpringerLink Series in Vertebrate Paleobiology and Anthropology.
- 2008 Assefa, Z., Yirga, S., and **\*Reed, K.E.** The large-mammal fauna from the Kibish Formation. *Journal of Human Evolution*, 55: 501-512.
- 2008 Dupont-Nivet, G., Sier, M., Campisano, C.J., Arrowsmith, J.R., DiMaggio, E., **Reed, K.**, Lockwood, C. Franke, C., and Hüsing, S. Magnetostratigraphy of the eastern Hadar Basin (Ledi-Geraru research area, Ethiopia) and implications for hominin paleoenvironments. Pp.69-85 in Quade, J. and Wynn, J. (eds) *The Geological Context of Human Evolution in the Horn of Africa*. A Geological Society of America Special Paper, 446.
- 2008 DiMaggio, E.N., Campisano, C.J., Arrowsmith, J.R., **Reed, K.E.**, Swisher, C.C. III, and Lockwood, C.A. Correlation and stratigraphy of the BKT-2 volcanic complex. Pp. 163-177 in west-central Afar, Ethiopia in Quade, J. and Wynn, J. (eds) *The Geological Context of Human Evolution in the Horn of Africa*. A Geological Society of America Special Paper, 446.
- 2008 **Reed, K. E.** Paleoecological Patterns at the Hadar Hominin Site, Afar Regional State, Ethiopia. *Journal of Human Evolution*, 54: 743-768.
- 2007 **\*Reed, K. E.** and Rector, A.L. African Pliocene Paleoecology: Hominin habitats, resources and diets. Pp. 262-288 in Ungar, P. (ed) *Early Hominin Diets: The Known, the Unknown, and the Unknowable*. Oxford: Oxford University Press.
- 2006 Herries, A.I.R., **\*Reed, K.E.**, Kuykendall, K.L., Latham, A. G. Speleology and magnetobiostratigraphic chronology of the Buffalo Cave fossil site, Makapansgat, South Africa. *Quaternary Research*, 66: 233-245.
- 2006 Schubert, B.W., Ungar, P.S., Sponheimer, M., **Reed, K.E.** Microwear evidence for Plio-Pleistocene bovid diets from Makapansgat Limeworks Cave, South Africa. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 241: 301-319.
- 2005 **\*Reed, K.E.** and Fish, J.L. Tropical and temperate seasonal influences on human evolution. Pp. 491-520 in Brockman, D. K. and van Schaik, C. P. (eds) *Seasonality in Primates: Studies of Living and Extinct Human and Non-Human Primates*. Cambridge: Cambridge University Press
- 2004 **\*Reed, K.E.** and Bidner, L.R. Primate Communities: Past Present and Possible Future. *Yearbook of Physical Anthropology*, 47: 2-39.
- 2004 Fleagle, J.G. and **Reed, K.E.** The Evolution of Primate Ecology: Patterns of geography and phylogeny. In Anapol, F., German, R.Z., & Jablonski, N. (eds) *Shaping Primate Evolution: Papers in Honor of Charles Oxnard*. Cambridge: Cambridge University Press.
- 2003 Sponheimer, M., Lee-Thorp, J.A., DeRuiter, D.J., Smith, J.M., van der Merwe, N.,

- Reed, K.E.**, Grant, C.C., Ayliffe, L.K., Robinson, T.F., Heidelberger, C. and Marcus, W. Diets of Southern African Bovidae: Stable Isotope Evidence. *Journal of Mammalogy*, 84 (2): 471-479.
- 2002 **Reed, K. E.** The use of paleocommunity and taphonomic studies in reconstructing primate behavior. Pp. 217-259 in Plavcan, M.J., Kay, R., van Schaik, C, and Jungers, W.L. *Reconstructing Primate Behavior in the Fossil Record*. New York: Kluwer Academic/Plenum Press.
- 2001 Sponheimer, M., Thorp, J.-L., **Reed, K. E.** Isotopic Paleoecology of the Makapansgat Limeworks *Perissodactyla*. *South African Journal of Science*, 97: 327-329.
- 1999 **Reed, K. E.** Body size, population density, and resource partitioning in primate communities. Pp. 116-140 in Fleagle, J.G., Janson, C., and Reed, K.E. (eds) *Primate Communities*. New York: Cambridge University Press.
- 1999 Fleagle, J. G. and **\*Reed, K. E.** Primate communities and phylogeny. Pp. 92-115 in Fleagle, J.G., Janson, C., and Reed, K. E. (eds) *Primate Communities*. New York: Cambridge University Press.
- 1999 Sponheimer, M., **Reed, K. E.**, and Lee-Thorpe, J. Combining isotopic and ecomorphological data to refine bovid paleodietary reconstruction: a case study from the Makapansgat Limeworks hominin locality. *Journal of Human Evolution*, 36: 705-718.
- 1998 **Reed, K. E.** Using large mammal communities to examine ecological and taxonomic organization and predict vegetation in extant and extinct assemblages. *Paleobiology*, 24: 384-408.
- 1997 **Reed, K. E.** Early Hominid Evolution and Ecological Change through the African Plio-Pleistocene. *Journal of Human Evolution*, 32: 289-322.
- 1997 Godfrey, L., Jungers, W. L., **\*Reed, K. E.**, Simons, E., and Chatrath, P. Primate Subfossils: Inferences about Past and Present Primate Community Structure. Pp. 218-256 in Goodman, Steve and Patterson, Bruce (eds): *Natural and Human Influenced Environmental Change in Madagascar*, Washington: Smithsonian University Press.
- 1996 Kimbel, W.H., Johanson, D.C., Walter, R.C., **\*Reed, K. E.**, Aronson, J.L., Assefa, Z., Marean, C.M., Eck, G.G., Bobe, R., Hovers, E., Rak, Y., Vondra, C., Yemane, T., York, D., Chen, Y., Evensen, N. and Smith, P. Late Pliocene Homo and Olduvian tools from the Hadar Formation (Kada Hadar Member), Ethiopia. *Journal of Human Evolution*, 31: 549-561.
- 1996 Fleagle, J. G. and **\*Reed, K. E.** Comparing Primate Communities: A Multivariate Approach. *Journal of Human Evolution*, 30: 489-510
- 1996 Fleagle, J. G. and **\*Reed, K. E.** Primate Evolution. Pp. 1025-1029 in Levinson, D. And Ember, M. (Eds) *The Encyclopedia of Cultural Anthropology*. Volume 3.
- 1995 **Reed, K. E.** and Fleagle, J. G. Geographic and Climate Control of Primate Diversity. *Proceedings of the National Academy of Sciences, USA*, 92: 7874-7876.
- 1994 Marean, C. M., Mudida, N., and **Reed, K. E.** Paleoenvironmental implications of Holocene micromammals and community structure from Enakpune Ya Muto

Rockshelter (Central Rift, Kenya). *Quaternary Research*, 41: 376-389.

1993 **Reed, K. E.**, Kitching, J. L., Grine, F. E., Jungers, W. L., and Sokoloff, L. Proximal femur of *Australopithecus africanus* from Member 4, Makapansgat, South Africa. *American Journal of Physical Anthropology*, 92: 1-15.

1993 **Reed, K. E.** Building on the Past: Four million years or so of hominid evolution. *South African Journal of Science*, 89: 519-520. (Not peer reviewed)

### Submitted/In Press Publications

Rector, A.L., **Reed, K.E.**, Smail, I.E., & O'Neill, K.D. Estimating climate parameters from large mammal community structure for East African *Paranthropus* localities. In Constantino, P., Reed, K.E., Wood, B. (eds) *The Forgotten Lineage(s): Paleobiology of Paranthropus*. SpringerLink Series in Vertebrate Paleobiology and Anthropology. Accepted.

**Reed, K.E.**, Smail, I.S., Feary, D.A., & Steininger, C. Distribution and Dispersal Routes of African Mammals in the Plio-Pleistocene. In Constantino, P., Reed, K.E., Wood, B. (Eds) *The Forgotten Lineage(s): Paleobiology of Paranthropus*. SpringerLink Series in Vertebrate Paleobiology and Anthropology. In revision.

Su, D.F., **Reed, K.E.**, Steininger, C. *Paranthropus robustus* community structure, habitat and climate. In Constantino, P., Reed, K.E., and Wood, B. (eds) *The Forgotten Lineage(s): Paleobiology of Paranthropus*. In review.

Constantino, P., Reed, K.E., Wood, B. (Eds) *The Forgotten Lineage(s): Paleobiology of Paranthropus*. SpringerLink Series in Vertebrate Paleobiology and Anthropology. Last papers in review.

### PUBLICATIONS - BOOKS AND MONOGRAPHS

2013 **Reed, K.E.**, Fleagle, J.G., and Leakey, R. (eds) *The Paleobiology of Australopithecus*. SpringerLink Series in Vertebrate Paleobiology and Anthropology.

2013 Sponheimer, M., Thorp, J.L., **Reed, K.E.**, Ungar, P. (eds) *Early Hominid Paleoecology*. University of Colorado Press. Publication expected 2011.

1999 Fleagle, J.G., Janson, C., and **Reed, K. E.** (eds) *Primate Communities*. New York: Cambridge University Press

1997 Gagnon, M. and **Reed, K. E.** (eds) Special Issue, "Comparative Paleoecology in Primate and Human Evolution." *Journal of Human Evolution*, 32: 103-322.

### FUNDING RECEIVED

Submitted Investigating hominin biological and ecological diversity across the landscape between 2.8 Ma and 2.4 Ma at Ledi-Geraru, Lower Awash Basin, Ethiopia. PI: Kaye Reed, NSF, \$466,422.

2021 Disentangling the Drivers of Human Evolution: Tectonics, Climate, and Habitat, PIs: Beverly Saylor, Naomi Levin, Yohannes Haile Selassie, Kaye Reed. W.M. Keck Foundation: \$1,200,000



- 2021 Reconstructing the paleoecological context of major milestones in human evolution: Late Pliocene mammalian fossil assemblages from the Lower Awash Valley (Afar Region, Ethiopia), PI: Yohannes Haile-Selassie, CO-PIs: Kaye Reed, Denise Su. National Science Foundation: \$311,026
- 2019 Collaborative Research: Hominin diversity, paleobiology, and behavior at the terminal Pliocene from Ledi Geraru (Afar, Ethiopia) PI: Ramon Arrowsmith, Co-PIs: Kaye Reed, Chris Campisano. National Science Foundation (BCS-Archaeology) \$134,866.
- 2016 Collaborative Research: Understanding Temporal Variation in Primate Communities: Integrating Data from Extant and Fossil Species (PI). National Science Foundation, \$87,559.
- 2015 Collaborative Research: Paleoanthropology of the Ledi-Geraru (PI). National Science Foundation, \$242,404.
- 2014 The Evolutionary Foundations of Human Uniqueness. 2014-2017. PI: William Kimbel. CO-PI: Rob Boyd, Chris Campisano, Kim Hill, Curtis W. Marean, Kaye Reed, Joan Silk. John Templeton Foundation, \$4,934,108.
- 2013 FESD: Type 1: Earth System Dynamics and its Role in Human Evolution in Africa (Co-PI). National Science Foundation, \$4,905,187.
- 2012 IPG: Collaborative Research: A high resolution analysis of unique paleoenvironmental data from key hominin sites in East Africa (Co-PI). National Science Foundation, \$1,000,000.
- 2012 Collaborative Research: Paleoanthropological Investigation of the Ledi-Geraru hominin site (Afar, Ethiopia) (Co-PI). National Science Foundation, \$225,000.
- 2008 Late Lessons in Early History Grant for Explaining a Confluence of Diversity and Complexity: Paleoanthropological and Paleogenetic Investigations of Fynbos, Marine Ecosystems and Human Origins, [PI], \$398,000.
- 2008 Late Lessons in Early History Grant for Hadar Geoinformatics, [Co-PI, with Ramon Arrowsmith, Chris Campisano, and William Kimbel]. \$396,000.
- 2003 L.S.B. Leakey Foundation Grant, Survey of the Ledi-Geraru Region, Afar Regional State, Ethiopia, [Co-PI with Charles Lockwood], \$15,000 (7/1/2003 – 3/15/2004)
- 2001 National Science Foundation, Makapansgat Interdisciplinary Paleoecological Project, (Senior Personnel, Matt Sponheimer PI), \$134,883 (7/1/2001 - 6/30/2003)
- 2001 National Science Foundation, Continued Paleoanthropological Investigations at the Hadar Hominid Site, Ethiopia (Co-PI with William Kimbel and Don Johanson), \$210,460 (7/1/2000 - 6/30/2002)
- 2000 National Science Foundation, Integrated Graduate Education & Research Training (IGERT) for Musculoskeletal and Neural Adaptations in Form and Function (with 18 multidisciplinary faculty at ASU) ~\$2,500,000 (7/1/00 - 6/30/05)
- 1999 Faculty Grant-in-Aid, Arizona State University Research Foundation for

- Paleoecology of Buffalo Cave, South Africa, (PI) \$6,900
- 1997 L.S.B. Leakey Foundation Grant, Paleoecology of Hadar Formation, Ethiopia (Co-PI with Margaret Lewis), \$6,800
- 1997 National Science Foundation Small Grant, Exploratory Research (SGER) Grant #9703889 for Paleoanthropological Exploration of Foro/Badda/Buri Peninsula, Eritrea (Co-PI with Don Johanson), \$20,000
- 1996 Wenner Gren Grant, Workshop on Primate Communities (Co-PI with John Fleagle and Charles Janson), \$30,000
- 1994-95 American Association of University Women Educational Foundation Dissertation Fellowship, \$15,000
- 1994 Joel Reiss Scholarship for Field Study in Hadar, Ethiopia, \$5,000
- 1994 Society of Sigma Xi, "Ecological Diversity in Pliocene Hominid Sites," \$350
- 1993 National Science Foundation, SBR-9312842, Dissertation Improvement Grant, "Paleoecology of Makapansgat and other African Pliocene Hominid Sites," \$11,948
- 1993 L.S.B. Leakey Foundation for dissertation research of Makapansgat, \$2,965

## ABSTRACTS AND MEETING PRESENTATIONS

(Graduate students indicated by underline; *undergraduate students are italicized*)

- 2023 Reed, K.E. 2023. From Arizona to Ethiopia: A fossil hunter's tale. Keynote address at the Glendale Community College, Social Sciences Event.
- 2021 K.E. Reed, I.E. Smail, D.F. Su, M.D. Biernat, E.F. Lalunio, *K. Winslow*, *K. Bow*, *C. Cline*, *C.F. George*, *M. Oricchio*. Examining differences among Australopithecus afarensis localities: Climate and paleoecology. American Association of Biological Anthropology. April, 2021, Virtual Meeting.
- 2020 Robinson, J.R., Campisano, C.J., Reed, K.E. Middle Pleistocene environments from Markaytoli (Lower Awash Valley, Ethiopia) inferred from dental isotopes. American Journal of Physical Anthropology 171, 236. Abstract.
- 2020 Rector, A.L., Reed, K.E. Hominin community structure: ecological patterns and niche construction. American Journal of Physical Anthropology 171, 230. Abstract.
- 2020 Bell, R.B., Reed, K.E., Rowan, J., Beaudrot, L, Kamilar, J.M. 2020. How do non-primate competitors affect the potential distribution of frugivorous primates? American Journal of Physical Anthropology 171, 23. Abstract.
- 2019 Seyoum, C.M., Rowan, J., Reed, K.E., Kimbel, W.H. Bovid paleocommunities and Australopithecus environments in the lower Awash Valley, Ethiopia, from ~ 3.8-

2.95 Ma. AAPA 88<sup>th</sup> Annual Meeting, Cleveland, OH

- 2019 Rowan, J., Reed, K.E., Beaudrot, L., Zamora, A., Smail, I.E., Kamilar, J.M. Paleoclimatic legacies structure present-day mammal communities in the global tropics. AAPA 88<sup>th</sup> Annual Meeting, Cleveland, OH
- 2019 Biernat, M.D. and Reed, K.E. Primate Communities and Atmospheric CO<sub>2</sub> in the Plio-Pleistocene of East Africa. AAPA 88<sup>th</sup> Annual Meeting, Cleveland, OH
- 2018 Reed, K.E., Rowan, J., Smail, I.E., Feary, D. Reconstructing vegetation and climate from fossil mammals: Late Cenozoic ecosystem changes across several myr of hominin evolution in Eastern Africa. 2018. Invited presentation at Pardee Symposium, Geological Society of America, Indianapolis, November 7.
- 2018 Reed, K.E., Feary, D.A., Rowan, J., Campisano, C.J. Plio-Pleistocene climate proxies and hominin evolution in East Africa. AAPA 87th Annual Meeting, Austin, TX, April.
- 2018 Norwood, A.L. Reed, K.E. Environmental Reconstruction at Geelwal Karoo. AAPA 87th Annual Meeting, Austin, TX, April.
- 2018 Reed, K.E. The Life and Times of Australopithecus afarensis and Early Homo. Invited talk at Duke University, March 23.
- 2017 Lazagabaster, I.A., Rowan, J., Garello, D.I., Campisano, C.J., Arrowsmith, J R., Reed, K.E. Fossil Artiodactyla (Mammalia) from Markaytoli, a new Middle Pleistocene site in the Lower Awash Valley, Ethiopia. SVP Annual Meeting, Salt Lake City, UT.
- 2017 Rector, A.L., Reed, K.E., Su, D. Hominin Adaptation and Variation with a Paleoecological Context: An integrative approach. American Association of Physical Anthropologists, 86th Annual Meeting, New Orleans, LA, April.
- 2017 Campisano, C.J., Reed, K.E. Warm pools, upwellings, and an early glacial. Are “mid-Pliocene” climate transitions reflected in the eastern African records? American Association of Physical Anthropologists, 86th Annual Meeting, New Orleans, LA, April.
- 2017 Reed, K.E., Smail, I.E., Rowan, J., Robinson, J., Locke, E.M., Lazagabaster, I.A., Campisano, C.J. Biogeography, Endemism, and Functional Trait Community Structure: Basinal Differences in the Pliocene. American Association of Physical Anthropologists, 86th Annual Meeting, New Orleans, LA, April.
- 2016 Lazagabaster, I.A., Rowan, J., Garello, D.I., Campisano, C.J., Arrowsmith, J R., Reed, K.E. Fossil Artiodactyla (Mammalia) from Markaytoli, a new Middle Pleistocene site in the Lower Awash Valley, Ethiopia. SVP Annual Meeting, Salt Lake City, UT.
- 2016 Smail, I.E., Rector, A.L., Garello, D.I., Locke, E.M., Campisano, C.J., Arrowsmith, J R., Reed, K.E. Pleistocene Primates and Rodentia from Markaytoli, Lower Awash Valley Ethiopia: Taphonomic and paleoenvironmental implications. SVP Annual Meeting, Salt Lake City, UT.
- 2016 Rector, A.L. Reed, K.E., Meacham, S., Steininger, C.. The large mammal community from Cooper's D and its significance for Paranthropus robustus ecology. American Journal of Physical Anthropology 159: 204.

- 2015 Stynder, D. D., Reed, K. E., Braun, D. R., Levin, N. E., Bishop, L. C., Lehmann, S. B., Forrest, F., Patterson, D., and Matthews, T. Changing Views on the Evolution of the Plant Community along the South African South-West Coast During the Plio-Pleistocene. GSA Annual Meeting, Baltimore, MD.
- 2015 DiMaggio, E. N., Campisano, C. J., Rowan, J., Dupont-Nivet, G., Deino, A., Garello, D., Reed, K. E., and Arrowsmith, J R. Late Pliocene Fossiliferous Sedimentary Record and the Environmental Context of Early Homo from Afar, Ethiopia. GSA Annual Meeting, Baltimore, MD.
- 2015 Rowan, J., Reed, K.E., Du, A., Locke, E.M., Smail, I.E., Campisano, C.J., and Lazagabaster, I.A. Fossil mammals reveal patterns of inter- and intra-basinal endemism in eastern Africa, ca. 4 to 1 Ma: implications for hominin biogeography. Southwestern Association of Biological Anthropologists Annual Meeting, November, Albuquerque, New Mexico.
- 2015 Locke, E. M., Rowan, J., Campisano, C. J., Reed, K. E. Fossil Giraffidae (Mammalia, Artiodactyla) from 2.8 Ma Sediments at Lee Adoyta, Ledi-Geraru: Implications for the Paleobiology of Sivatherium maurusium. October, Program & abstracts for the Society of Vertebrate Paleontology.
- 2015 Rowan, J., Franklin, J., Reed, K. E. Late Pleistocene Biogeography and Climatic Niche Evolution in Plains Zebra Equus quagga and Blue Wildebeest Connochaetes taurinus. October, Program & abstracts for the Society of Vertebrate Paleontology.
- 2015 Lazagabaster, I. A., Kamilar, J., Reed, K., Rowan, J. A Phylogenetically Controlled Approach to Examine the Tempo and Mode of Evolution in African Ungulate Craniodental Traits and Diet. October, Program & abstracts for the Society of Vertebrate Paleontology.
- 2015 Reed, K.E. JR. Arrowsmith, F. Bibi, D.R. Braun, C.A. Campisano, A. Deino, E.N. DiMaggio, G. Dupont-Nivet, D. A. Feary, D. Garello, W.H. Kimbel, M.E. Lewis, J. Rowan, C. Seyoum, A. Souron, and B.A. Villmoare. Paleoanthropology of the Ledi- Geraru, Mille District, Afar Regional State, Ethiopia. Paleoanthropology Society Meeting, San Francisco, April 14-15, 2015.
- 2014 Reed K.E., Rowan, J., Kamilar, J.M. African Vegetation Structure: Modern analogs and hominin habitat reconstructions. American Association of Physical Anthropologists, 82nd Annual Meeting, Knoxville, April 10-14.
- 2014 Reed K.E., Rowan, J., Kamilar, J.M. African Vegetation Structure: Modern analogs and hominin habitat reconstructions. American Association of Physical Anthropologists, 82nd Annual Meeting, Calgary, April 10-14.
- 2014 Reed, K.E., Campisano, C.J., Rowan, J., DiMaggio, E.N., and Arrowsmith, J R. Paleoanthropology of the Ledi-Geraru, Ethiopia: New evidence for habitat change in the Afar between 3.4 – 2.6 Ma. Southwestern Association of Biological Anthropologists Annual Meeting, November, Tucson, Arizona.
- 2013 Kamilar, J.M., Beaudrot, L., Reed, K.E., Why study primate communities? The importance for anthropology and ecology, current knowledge, and future directions. Program of the 82<sup>nd</sup> Meeting of the AAPA.
- 2013 Beaudrot, L., Kamilar, J.M., Reed, K.E., Correlates of dispersal limitation in African

- mammal communities. Program of the 82<sup>nd</sup> Meeting of the AAPA.
- 2013 Reed, K.E., Kamilar, J.M., Beaudrot, L. African primate, carnivore and ungulate communities exhibit a proclivity toward random phylogenetic structure. Program of the 82<sup>nd</sup> Meeting of the AAPA.
- 2013 Reed, K.E. and Kamilar, J.M. Using Mammals to Understand Dispersal Patterns of Hominins in the African Plio-Pleistocene. Society of American Archaeologists Annual Meeting, Honolulu, April 2013.
- 2012 Hallett-Desguez, E. and Reed, K.E. The Faunal Record at Contrebandier Cave. Society of American Archaeologists Annual Meeting, Memphis, April 2012.
- 2011 Reed, K.E. and Campisano, C.J. Early hominins through time and space: Local, regional and pan-African habitats and biogeography. Program of the 80<sup>th</sup> Meeting of the AAPA, p. 250.
- 2010 Reed, Kaye with Deano Stynder, David Roberts, Gary Schwartz, David Braun, Will Archer, Chris Campisano, Wesley Flear, Erich Fisher, Lloyd Rosseuw, Amy Shapiro, Brian Verrelli, Curtis Marean, Richard Cowling, Robyn Pickering and Andy Herries. Cliff Point and Surrounding Area, Western Cape: Preliminary account of new paleontological and archaeological localities. Delivered at Changing Landscapes and Biotas of the Cape West Coast: Mio-Pliocene to Recent, Cape Town, South Africa November 15-18, 2010
- 2010 Reed, K.E. and Harmon, E.H. Biogeographic patterns in the mid-Pliocene: the effects of time-averaging and site deposition. Program of the 79th Meeting of the AAPA, p. 172.
- 2008 Reed, K.E. and Bidner, L.R. Continental Differences in Habitats Among Primate Communities. International Primatology Society Congress, Edinburgh, Scotland.
- 2008 Reed, K.E., Hodgkins, J., Rector, A., Amani, F. Preliminary Taxonomic and Zooarchaeological Analyses of the Faunal Assemblage from Grotte des Contrebandiers, Morocco. The Paleoanthropology Society.
- 2008 Reed, K.E. and Campisano, C.J. Mio-Pliocene African habitats: local and regional contexts for the earliest bipeds. Program of the Seventy-Seventh Annual Meeting of the American Association of Physical Anthropologists, p. 178.
- 2008 Campisano, C.J. and Reed, K.E. Has the sun set on the savanna? Environmental determinants and the evolution of bipedality. Program of the Seventy-Seventh Annual Meeting of the American Association of Physical Anthropologists, p. 75.
- 2007 Sier, M., Dupont-Nivet, G., Campisano, C.J., Arrowsmith, J.R., DiMaggio, E.N., Reed, K.E., Lockwood, C.A., Franke, C., & Hüsing, S. (2007). Magnetostratigraphy of the hominin-bearing Hadar Formation (Ledi-Geraru, Ethiopia), and regional evidence for environmental change ca. 3.2 Ma. *Eos, Transactions* 88(52) (AGU Fall Meeting suppl.).
- 2007 Campisano, C.J. & Reed, K. (2007). Spatial and temporal patterns of *Australopithecus afarensis* habitats at Hadar, Ethiopia. *PaleoAnthropology (PAS 2007 abstracts)*, A6.
- 2006 DiMaggio, E. N., Campisano, C. J., Arrowsmith, J R., Reed, K. and Lockwood, C. A.

- Geochemistry and Tephrochronology of the BKT-2 and Kada Hadar Tephra in the Middle Ledi-Geraru Region of Afar, Ethiopia: EOS Trans. AGU, 87 (52), Fall Meet. Suppl., Abstract V53C-1765.
- 2005 Reed, K.E. African Plio-Pleistocene Mammal Communities: Do Unique Compositions Indicate Distinct Vegetation? J. Vert. Paleontol. and Society of Vertebrate Paleontology Meetings, October.
- 2005 Rector, A.L., Reed, K.E. The Effects of Simulated Sampling Bias on the Application of Biogeographic Analyses to Modern and Fossil Mammalian Assemblages. J. Vert. Paleontol. and Society of Vertebrate Paleontology Meetings, October.
- 2004 Arrowsmith, J R., Reed, K.E., Lockwood, C.A., Jones, K. Geological mapping and tephrostratigraphy of the Hadar Formation near 11.25 N and 40.75 E (Afar Region, Ethiopia). Geological Society of America.
- 2003 Reed, K.E., Lockwood, C.A., Arrowsmith, J. R. Faunal comparison between the Middle Ledi and Hadar hominin localities, Ethiopia: Time, landscape, and depositional environment. Amer. J. Physical Anthrop. Supplement
- 2002 Hovers, E., Schollmeyer, K., Goldman, T., Eck, G., Reed, K., Johanson, D., and Kimbel, W. Late Pliocene archaeological sites in Hadar, Ethiopia. J. of Human Evol. 42: A17.
- 2001 Reed, K. E. and Lockwood, C. A. Identifying migration patterns and endemism in African mammal localities. Amer. J. Physical Anthrop. Supplement 30.
- 2001 Blackwell, B.A.B., Spalding, C.N., Blickstein, J.I.B., Latham, A.G., Quinney, P., Skinner, A.R., Kuykendall, K.L., Reed, K.E. ESR dating the hominid-bearing breccias at the Makapansgat Limeworks Cave, South Africa. Journal of Human Evolution. 40: A3.
- 1999 Fleagle, J.G. and Reed, K.E. Why are platyrrhine monkeys not more diverse? Congreso Internacional: Evolucion Neotropical del Cenozoico, p.22
- 1999 Reed, K. E. The effect of population density on primate community structure. Amer. J. Physical Anthrop. Supplement 28: 229.
- 1999 McBratney, B.M. and Reed, K. E. The ecological diversity of paleoprimates communities from Plio-Pleistocene hominin-bearing deposits. Amer. J. Physical Anthrop. Supplement 28: 194.
- 1999 Reed, K. E., Sponheimer, M., and Lee-Thorp, J. Of isotopes and ecomorphology. J. Human Evol. pp. A22
- 1998 Reed, K. E. Reconstruction of the diets of some African Pliocene bovids. J. Vert. Paleontol. and Society of Vertebrate Paleontology Meetings, October.
- 1997 Reed, K. E. and Eck, G. G. Paleoecology of the Plio-Pleistocene Hadar hominid localities. Am. J. Phys. Anthropol. Supplement 24: 195.
- 1996 Eck, G. G. and Reed, K. E. Paleoecology of the Plio-Pleistocene hominid localities, Hadar Formation, Ethiopia derived from faunal analysis. Geological Society of America Annual

Section Meeting, Ames, Iowa.

- 1995 Reed, K. E. Hominid evolution and ecological change in the African Plio-Pleistocene. *Am. J. Phys. Anthropol. Supplement* 20: 179.
- 1995 Fleagle, John G. and Reed, K. E. Comparing primate communities: a multivariate approach. *Am. J. Phys. Anthropol. Supplement* 20: 91.
- 1994 Reed, K. E. Community Organization through the Plio-Pleistocene. *J. Vert. Paleontol.* 14(3):43A
- 1994 Reed, K. E. Environmental Reconstruction in Modern Death Assemblages and Plio-Pleistocene Hominid Localities. *Palaeontological Society of South Africa, 1994 Annual Meeting.*
- 1994 Reed, K. E. Ecological Diversity in Pliocene Hominid Sites. *Am. J. Phys. Anthropol. Supplement* 18: 166.
- 1994 Fleagle, John G. and Reed, K. E. Comparing primate communities: Patterns of Diversity and Density. *Am. J. Phys. Anthropol. Supplement* 18:87.
- 1993 Reed, K. E. and Fleagle, John G. Comparing primate communities. *Am. J. Phys. Anthropol. Supplement* 16:163.
- 1993 Bown, Thomas M., Fleagle, John G., Reed, K. E., Dozo, Maria Teresa. The Eocene-Miocene geology of Cabeza Blanca, a vertebrate fossil locality in southeast Chubut Province, Argentina. *J. Vert. Paleontology.* 13 (Supp. to 3): 27A.
- 1991 Reed, K. E. and Jungers, William L. Relative growth and shape of crania in callitrichids and Saimiri. *Am. J. Phys. Anthropol. Supplement* 12: 149-150.
- 1989 Reed, K. E. Computer Graphics Analysis of the Meier Site Pit Features. Abstracts of the 42nd Annual Northwest Anthropological Conference, March, 1989.

#### **FIELD PROJECTS**

- 2008 - Director, Ledi-Geraru Research Project, Afar Regional State, Ethiopia
- 2008-15 Director, Western Cape Survey and Biocomplexity Project.
- 2007 - 8 Paleontologist, Mossel Bay Cave, Mossel Bay South Africa. Project Director: Curtis W. Marean.
- 2006 - 8 Paleontologist, Contrebandiers Cave, Temera, Morocco. Project Directors: Utsav Schurmans and Harold Dibble, University of Pennsylvania.
- 2004 - 6 Paleontologist, Sopeña Cave, Asturias, Spain. Project Director: Dr. Ana C. Pinto, Consejo Superior de Investigaciones Científicas, Madrid.
- 2000 Paleontologist, Expedition to Hadar Ethiopia, Institute of Human Origins, Arizona State University.

- 1998-2003 Paleontologist, Ongoing Research at Makapansgat Valley, Northern Province, South Africa
- 1997 Co-Director IHO Expedition to Foro/Badda/Buri Peninsula, Eritrea, Institute of Human Origins, Berkeley, California
- 1997 Trainee, Expedition to Hadar, Ethiopia. Project Directors: William Kimbel and Don Johanson, Institute of Human Origins, Berkeley, California
- 1994 Excavation of Buffalo Cave, Makapansgat Valley, Northern Province, South Africa. Project Director: Kevin Kuykendall, University of the Witwatersrand.
- 1993 SUNY - Stony Brook/CENPAT expedition to Cabeza Blanca, Chubut, Argentina. Project Director: John G. Fleagle, SUNY, Stony Brook
- 1992 SUNY - Stony Brook excavation of Die Kelders Cave, Gansbaai, South Africa. Project Director: Frederick E. Grine, SUNY, Stony Brook
- 1990 SUNY - Stony Brook expedition to Crazy Mountain Basin, Montana. Project Director: David W. Krause, SUNY, Stony Brook.
- 1988-89 Excavation of site 35CO5, Columbia River Basin Native Americans. Project Director: Kenneth Ames, Portland State University, Portland, OR

#### **INVITED SYMPOSIA/LECTURES**

- 2018 The Life and Times of Australopithecus afarensis and Early Homo. Invited talk at Duke University, March 23.
- 2016 Was climate change responsible for human evolution? Explorer's Club, New York City, November 11.
- 2016 The Life and Times of Australopithecus afarensis and early Homo: Were their lives affected by climate change? Invited Presentation, Rutgers, The State University, April 18.
- 2016 Habitat Change and Human Evolution: Paleoecology of the Ledi-Geraru. Invited Presentation, University of Colorado Boulder, April 1.
- 2016 Paleoanthropology of the Ledi-Geraru: Habitat Change and Human Evolution. Invited Presentation at Australia National University, March 5.
- 2015 Paleoanthropology of the Ledi-Geraru, Mille District, Afar Regional State, Ethiopia, University of Nevada, Las Vegas, April 27.
- 2015 Science or Séance in Paleoanthropology: Field based research. The George Washington University/ Koobi Fora Field School Symposia, November 6.
- 2014 Hominin Evolution and Habitat: The importance of analytical scale. Paleontological Society of Southern Africa, Plenary Speaker, July 2014.



- 2013 The Life and Times of Australopithecus: Exploring an early human ancestor. Portland State University, October 18.
- 2013 The Life and Times of Australopithecus: What can paleoecology and biogeography tell us? University of California, San Diego, April 19.
- 2010 Fynbos, Biogeography, and Human Evolution: Old and new sites in Western Cape, South Africa. National Museum of Natural History, December 1.
- 2010 Dispersion and Endemism: Hominin and other mammalian distribution in the Plio-Pleistocene of Africa. Keynote Speaker, Texas Association of Biological Anthropologists, November 6.
- 2010 Dispersion, Endemism and Primates: Mammalian Distribution in the Plio-Pleistocene of Africa. Stony Brook University, October 18.
- 2010 Dispersion, Endemism, and Primates: Mammalian Spatial Distribution in the Plio-Pleistocene of Africa. George Washington University, September 29.
- 2010 Biogeography and Paleoecology of Plio-Pleistocene Hominins: Dispersals vs. Isolation. New York University, February 18.
- 2009 The Life and Times of Australopithecus: Ecology, Biogeography and Monkeys. Pennsylvania State University, September 3.
- 2007 Biodiversity of Australopithecus, Stony Brook University, September. Workshop and Symposia over 5 days, Organizer.
- 2006 The Origin of Homo, Stony Brook University, October. Workshop and symposia over 5 days.
- 2004 Reed, K.E. Paleoecology of Hadar Homininds. Early Hominind Paleoecology Symposium, University of Colorado, Boulder, October. (Also organizer)
- 2004 Reed, K.E. Seasonality in the Pliocene of Africa. Paleoecology Symposium, Smithsonian Institution, Washington, D.C., May.
- 1999 Reed, K.E. Ecological Changes in the Hadar Formation, Ethiopia: Information from antelope feeding behavior. Royal Swedish Academy of Sciences, Stockholm, May.
- 1998-1999 National Center for Ecological Analysis and Synthesis, Habitat and Climate Inference from the Structure of Mammal Communities. Two symposia/workshops over a two-year period.
- 1998 Reed, K.E. African Pliocene Habitat Reconstructions: Implications for Hominin Evolution. September, Colloquium presentation, Stigler Lecture Series, University of Arkansas.

## TEACHING EXPERIENCE

Introduction to Biological Anthropology (Stones, Bones, and Human Evolution), Anatomy and Biomechanics, Primate Paleobiology, Paleoecology, Faunal Analysis, Primate Communities, Ecology

and Human Evolution, Paleoanthropology Field Schools in Ethiopia and South Africa, Paleontological and Paleocological Field School at Langebaanweg, South Africa.

### **PROFESSIONAL SERVICE**

Society of Vertebrate Paleontology Program Committee, 2018-2020

AAAS Member at Large, 2018-

NSF Biological Anthropology Program Director, 2009-2011

NRC Panel on Earth Sciences Context for Human Evolution, 2007-2008 Associate Editor for Journal of Human Evolution, 2000-2004; 2013 - 2015 Local Arrangements Committee 2003 AAPA Meeting

Reviewer for Nature, Journal of Human Evolution, American Journal of Physical Anthropology, Evolutionary Anthropology, Journal of Ecology, Folia Primatologica, PLoS One, Journal of African Ecology, National Science Foundation, Leakey Foundation.

### **UNIVERSITY AND DEPARTMENTAL SERVICE**

Search Chair, Institute of Human Origins Director, 2021-2022

Director, School of Human Evolution and Social Change, 2016-2021

Graduate Director, School of Human Evolution and Social Change, 2011 - 2014

Barrett Honors College Steering Committee 2005-2007

Evolutionary Anthropology Sub-Discipline Head 2002 – 2005 Chair,

Physical Anthropology Assistant Professor Search 2003

Anthropology Department Chair Search Committee 2002

Undergraduate Committee 2001 - 2002

Alumni Relations Committee 2000 - 2003

Museum Studies Search Committee 2000

Library Committee 1999 - 2001

Colloquium Coordinator 1999 - 2000

Fulbright Selection Committee – 1997, 2003, 2012, 2013

### **PROFESSIONAL SOCIETY MEMBERSHIPS**

American Association of Biological Anthropologists

Paleoanthropology Society

Society of Vertebrate Paleontologists

AAAS

### **GRADUATE ADVISOR AND COMMITTEE**

John G. Fleagle, State University of New York, Stony Brook Fred

Grine, State University of New York, Stony Brook Charles

Janson, State University of New York, Stony Brook Curtis

Marean, State University of New York, Stony Brook Richard

Klein, Stanford University

### **STUDENT ADVISEES AND COMMITTEES**

Served as Chair and Supervisor: PhD: Maryse Biernat, Chalachew Mesfin (co-Chair), Ignacio Lazagabaster, John Rowan, Ellis Locke, Irene Smail, Hallie Edmonds, Sharon Kessler (Co-Chair) Amy Rector, Samantha Russak, Amy Shapiro, Jamie Hodgkins (Co-Chair), Marc Jacofsky (Co-Chair). MA: Kristi Lewton, Emily Landis, Jennifer Fish, Caroline Robb, Jill Sears

Served as PhD committee member and mentor: Eunice LaLunio, Halszka Glowacka, E. Susanne Daly, Kierstin Catlett, Neysa Grider-Potter, Erin DiMaggio, Laura Bidner, Kaberi Kar Gupta, Elizabeth Harmon, Kristi Lewton, Brian Villmoare, Teague O'Mara, Stephanie Meredith, Matt Tocheri, Jessica

Thompson, Alma Adler, Laura Stroik, Christine Lee, Hope Williams MA: Lucas Delezene, Wilson Sweitzer, Rachel Watras, Carolyn Currie Ketchum, Caitlin Schrien, Tamrat Wodajo, Sara Dvorak, Karen Schollmeyer, Tonya van Leuvan Smith

Undergraduate Honors Thesis Committee Chair: Daniella Olivero-Lauderdale, Catherine Haradon (PhD; GW), Amelia Villaseñor (PhD: GW), Sondra Menzies. Undergraduate Honors Thesis Committee: Emily Goble (PhD; Yale),