College of Arts and Sciences
"Standard Form" for Faculty Vitae

Name	Department	Date
Osbjorn M. Pearson	**Anthropology**	**May, 2020**

Educational History:

B.A., 1990, University of Texas at Austin, Austin, TX 78712, Anthropology.

M.A., 1995, Stony Brook University (formerly State University of New York at Stony Brook), Stony Brook, NY 11794, Anthropological Sciences.

Ph.D., 1997, Stony Brook University (formerly State University of New York at Stony Brook), Stony Brook, NY 11794, Anthropological Sciences.

Dissertation: "Postcranial Morphology and the Origin of Modern Humans"
Dissertation Advisor: Frederick E. Grine.

Employment History – principal positions since the Bachelor's degree

Job title, beginning date-ending date, employing organization and address. (repeat above as appropriate)

Professor, Fall 2020 – present, Department of Anthropology, University of New Mexico, Albuquerque, NM 87131.

Associate Professor, Fall, 2005 – 2020, Department of Anthropology, University of New Mexico, Albuquerque, NM 87131.

Assistant Professor, Fall, 1999 – Spring 2005, Department of Anthropology, University of New Mexico, Albuquerque, NM 87131.

Postdoctoral Research Associate, Fall, 1998 - Summer, 1999, Department of Anthropology, George Washington University, 2110 G St. NW, Washington, DC 20052.

Postdoctoral Research Associate, Fall, 1997 - Summer, 1998, Department of Anthropology, Rutgers University, 131 George St. RAB 306, New Brunswick, NJ 08901.

Adjunct Instructor, Fall, 1998- Spring, 1999, Department of Anatomy and Cell Biology, George Washington University School of Medicine and Health Sciences, 2300 Eye St. NW, Washington, DC 20037.

Professional Recognition, Honors, etc.

University of New Mexico Regents' Lecturer, 2010.

Short Narrative Description of Research, Teaching and Service Interests.

Research. My research has two main themes, human evolution, particularly the fossil evidence for the origin of modern humans, and the functional adaptation of skeleton to habitual activity.

Much of my work on the origin of modern humans has focused on postcranial remains, and I am currently involved in an analysis of a late Neandertal from Israel as well as a late Middle Stone Age (MSA) human humerus from Rusinga Island in Lake Victoria. Both projects involve collaboration with several colleagues. The origin of modern humans is a complex question that involves anatomical evidence, genetics, archaeology, and paleoecology. I find the need to incorporate and address multiple lines of evidence appealing. Since 2007, I have collaborated with Drs. Zelalem Assefa, David Pleurdeau, Erella Hovers, and Yin Lam to investigate an archaeological site named Goda Buticha in southeastern Ethiopia. The site spans the period from 40,000 years ago to the present. The project has generated four peer-reviewed journal articles that I have co-authored thus far and more are planned.

My research on functional aspects of the skeleton has largely involved the cross-sectional geometry of human long bones. I have published a series of papers and chapters on cross-sectional geometry since 2010 with graduate students (especially Dr. Vitale Sparacello and Ethan Hill) and other papers on this subject are in progress.

Teaching. I view teaching as an extremely important part of my work at UNM and try my best to excel in classroom and tutorial instruction. I value the acquisition of teaching skills and wish to make my undergraduate and graduate class engaging and stimulating for the students. At both levels of instruction, my goal is to present the material at a relatively high level and expect a lot of work from students. I strive to make the classroom a welcoming environment in which students feel comfortable asking questions and thinking creatively about the subject matter. I consider positive reinforcement of desired behaviors to be one of the most effective means of motivating students and try to make this my standard mode of interaction with students.

A very important part of teaching concerns individual advisement of students, particularly at the graduate or advanced undergraduate level. I currently serve as the primary Advisor or Co-Advisor of ten graduate students working to obtain their Ph.D. and serve on the committees of three additional Ph.D. students. The students I advise work on a wide variety of topics, including paleoanthropology, osteology, bioarchaeology, Paleolithic archaeology, human evolutionary ecology, and statistics. My philosophy is to encourage students to pursue topics that they find compelling and to push them to immerse themselves in the relevant literature from outside of Biological Anthropology.

Undergraduate teaching and advisement forms another very import part of my teaching effort. Most of my advanced (300+ level) courses require students to read a large amount of primary literature and to write scholarly research papers. I bring the same enthusiasm to undergraduate courses.

Service. My contributions include service the Department of Anthropology (as Assistant Chair in 2007; participation on six search committees since 2002, which resulted in the hires of nine faculty members; work on 10 Annual Review Committees for untenured faculty in Anthropology; work on two Tenure and Promotion Committees for Anthropology faculty; participation on the

Anthropology Department's Graduate Committee (2003-2007); service to the University by serving on the Internal Review Board (IRB) for five years and the Research Allocation Committee for six years; work on the Lecturer Promotion Committee (2017) and the Junior Tenure and Promotion Committee (2018); and service to the profession by acting as an associate editor for two journals and a reviewer for many more as well as several national or international funding agencies and foundations.

Scholarly Achievements:

Books Authored or Co-authored:

Books Edited or Co-edited:

Articles in Refereed Journals:

44. Pearson, O. M., Hill, E. C., Peppe, D. J., Van Plantinga, A., Blegen, N., Faith, J. T., Tryon, C. A. A human humerus from a late Middle Stone Age context on Rusinga Island, Lake Victoria, Kenya. *Journal of Human Evolution*; vol. 146; p. 102855; 2020.

43. Pearson, O. M., Pablos, A., Rak, Y., and Hovers, E. A partial Neandertal foot from the late Mousterian of Amud Cave, Israel. *PaleoAnthropology*; vol. 2020; pp. 98-125; 2020.

42. Hill, E. C., Durband, A. C., Pearson, O. M., Walshe, K. Does upper limb robusticity and bilateral asymmetry support subsistence intensification at Roonka, South Australia? *Australian Archaeology*; 2020.

41. Hill, E. C., Pearson, O. M., Durand, A. C., Walshe, K., Carlson, K. J., and Grine, F. E. An examination of cross-sectional geometrical properties of Holocene foragers from Roonka, South Australia. *American Journal of Physical Anthropology*, 2020, pp. 1-16. 2020;

40. Assefa, Z., A. Asrat, E. Hovers, Y. Lam, O. Pearson, and D. Pleurdeau. Engraved ostrich eggshell from the Middle Stone Age contexts of Goda Buticha, Ethiopia. *Journal of Archaeological Science: Reports*; vol. 17; pp. 723-729; 2018.

39. Tribolo C., Asrat, A., Bahain, J.-J., Chapon, C., Douville, E., Fragnol, C., Hernandez, M., Hovers, E., Leplongeon, A., Loïc, M., Pleurdeau, D., Pearson, O., Puaud, S., and Assefa, Z.; When the rains stopped: Geochronological and sedimentological evidence for the Middle and Later Stone Age sequence of Goda Buticha, Ethiopia; *PLoS One*; vol. 12; p. e01694182017; 2017.

38. Betti, L., Lycett, S. J., von Cramon-Taubadel, N. and Pearson, O. M.; Are human hands and feet affected by climate? A test of Allen's Rule; *American Journal of Physical Anthropology*; vol. 158; pp. 132-140; 2015.

37. Wallace, I. J., Demes, B., Mongle, C., Pearson, O. M., Polk, J. D., and Lieberman, D. E.; Exercise-induced bone formation is poorly linked to local strain magnitude in the sheep tibia; *PloS One*; *vol. 9; p. e99108*.

36. Rabenold, D. and Pearson, O. M.; Scratching the surface: a critique of Lucas et al. (2013)'s conclusion that phytoliths do not abrade enamel; *Journal of Human Evolution*; vol. 74; pp. 130-133; 2014.

35. Pleurdeau, D., Hovers, E., Assefa, Z., Asrat, A., Pearson, O., Bahain, J.-J., and Lam, Y. M.; Cultural change or continuity in the late MSA/early LSA of

southeastern Ethiopia? The site of Goda Buticha, Dire Dawa area; *Quaternary International*; vol. 343; pp. 117-135; 2014.

34. Assefa, Z., Pleurdeau, D., Hovers, E., Asrat, A., Pearson, O., F. Duquesenoy, F. and Lam, Y. M.; Survey and explorations of caves in southeastern Ethiopia: Middle Stone Age and Later Stone Age archaeology and Holocene rock art; *Quaternary International*; vol. 343; pp. 136-147; 2014.

33. Pearson, O. M.; Hominin evolution in the Middle-Late Pleistocene: fossils, adaptive scenarios, and alternatives; *Current Anthropology;* vol. 54 Supplement 8; pp. S221-S233; 2013.

32. Bruner, E. and Pearson, O. Cranial evolution in modern humans: the case of Jebel Irhoud 1; *Journal of Anthropological Science (Japan); vol.* 121; pp. 31-41; 2013.

31. Rabenold, D., and Pearson, O. M; Abrasive, silica phytoliths and the evolution of thick molar enamel in primates, with implications for the diet of *Paranthropus boisei*; *PLoS One;* vol. 6; p. e28379; 2011.

30. Sparacello, V. S., Pearson, O. M., Coppa, A. and Marchi, D.; Changes in skeletal robusticity in an Iron Age agropastoral group: the Samnites from the Alfedena necropolis (Abruzzo, Central Italy); *American Journal of Physical Anthropology;* vol. 144; pp. 119-130; 2011.

29. Sparacello, V. S. and Pearson, O. M.; The importance of accounting for the area of the medullary cavity in cross-sectional geometry: a test based on the femoral midshaft; *American Journal of Physical Anthropology;* vol. 143; pp. 612-624; 2010.

28. Baker, J., Workman, M., Bedrick, E., Frey, M. A., Hurtado, A. M. and Pearson, O. M.; Brains versus brawn: an empirical test of Barker's brain sparing model; *American Journal of Human Biology;* vol. 22; pp. 206-215; 2010.

27. Baker, J., Hurtado, A. M., Pearson, O. M., Hill, K., Jones, T., and Frey, M. A.; Developmental plasticity in fat patterning of Ache children in response to variation in interbrth intervals: a preliminary test of the roles of external environment and maternal reproductive strategies; *American Journal of Human Biology;* vol. 21; pp. 77-83; 2009.

26. Pearson, O.M., Grine, F.E., Fleagle, J.G. and Royer, D.F.; Brief report on new hominin fossils from elsewhere in the Kibish Formation, southwestern Ethiopia; *Journal of Human Evolution*; vol. 55; pp. 444-337; 2008.

25. Pearson, O.M., Grine, F.E., Fleagle, J.G. and Royer, D.F.; A description of the Omo 1 postcranial skeleton, including newly discovered fossils; *Journal of Human Evolution*; vol. 55; pp. 421-437; 2008.

24. Pearson, O.M.; Statistical and biological definitions of "anatomically modern" humans: suggestions for an integrated approach to modern morphology; *Evolutionary Anthropology*; vol. 17; pp. 38-48; 2008.

23. Carlson, K.J., Grine, F.E. and Pearson, O.M.; Robusticity and sexual dimorphism in the postcranium of modern hunter-gatherers from Australia; *American Journal of Physical Anthropology;* vol. 134; pp. 9-23; 2007.

22. Hanson, T.E. and Pearson, O.M.; Fitting MANOVA models with missing continuous data using reference priors; *Communications in Statistics — Simulation and Computation*; vol. 36; 621-630; 2007.

21. Baker, J. and Pearson, O.M.; Statistical methods in bioarchaeology: applications of age-adjustment and logistic regression to comparisons of skeletal populations with differing age-structures; *Journal of Archaeological Science*; vol. 33; pp. 218-226; 2006.

20. Pearson, O.M. and Millones, M.; Rasgos esqueléticos de adaptación al clima y a la actividad entre los habitantes aborígenes de Tierra del Fuego (Skeletal traces of adaptation to climate and activity among the aboriginal inhabitants of Tierra del Fuego); *Magellania*; vol. 33; pp. 37-50; 2005.

19. Lam, Y.M. and Pearson, O.M.; Bone density studies and the interpretation of the faunal record; *Evolutionary Anthropology*; vol. 14; pp. 99-108; 2005.

18. Lam, Y.M. and Pearson, O.M.; The fallibility of bone density values and their use in archaeological analyses; *Journal of Taphonomy*; vol. 2; pp. 99-115; 2004.

17. Pearson, O.M. and Lieberman, D.E.; The aging of Wolff's "Law:" Ontogeny and responses to mechanical loading in cortical bone; *Yearbook of Physical Anthropology*; vol. 47; pp. 63-99; 2004.

16. Pearson, O. M.; Has the combination of genetic and fossil data solved the riddle of the origin of modern humans?; *Evolutionary Anthropology*; vol. 13; pp. 145-159; 2004.

15. Lam, Y.M., Pearson, O.M., Marean, C.W. and Chen, X.; Bone density studies in zooarchaeology. *Journal of Archaeological Science*; vol. 30; pp. 1701-1708; 2003.

14. Lieberman, D.E., Pearson, O.M., Polk, J.D., Demes, B. and Crompton, A.W.; Optimization of bone growth and remodeling in response to loading in tapered mammalian limbs; *Experimental Biology*; vol. 206; pp. 3125-3138; 2003.

13. Lieberman, D.E., Devlin, M.J. and Pearson, O.M.; Articular surface area responses to mechanical loading: Effects of exercise, age, and skeletal location. *American Journal of Physical Anthropology*; vol. 116; pp. 266-277; 2001.

12. Lieberman, D. E. and Pearson, O. M.; Trade-off between modeling and remodeling responses to loading in the mammalian limb; *Bulletin of the Museum of Comparative Zoology*; vol. 156; pp. 269-282; 2001.

11. Mercader, J., Garralda, M.D., Pearson, O.M. and Bailey, R.C.; Eight hundred-year-old human remains from the Ituri tropical forest, Democratic Republic of Congo: The rock shelter site of Matangai Turu Northwest; *American Journal of Physical Anthropology*; vol. 115; pp. 24-37; 2001.

10. Pearson, O.M.; Postcranial remains and the origin of modern humans; *Evolutionary Anthropology*; vol. 9; pp. 229-247; 2000.

9. Pearson, O.M.; Activity, climate, and postcranial robusticity: Implications for modern human origins and scenarios of adaptive change; *Current Anthropology*; vol. 41; pp. 569-607; 2000.

8. Lieberman, D.E., Pearson, O.M. and Mowbray, K.M.; Basicranial influence on overall cranial shape *Journal of Human Evolution*; vol. 38; pp. 291-315; 2000.

7. Lam, Y.M., Chen, X., and Pearson, O.M.; Intertaxonomic variability in patterns of bone density and the differential representation of bovid, cervid, and equid elements in the archaeological record; *American Antiquity*; vol. 64; pp. 343-362; 1999.

6. Grine, F.E., Pearson, O.M., Klein, R.G., and Rightmire, G.P.; Additional human fossils from Klasies River Mouth, South Africa; *Journal of Human Evolution*; vol. 35; pp. 95-107; 1998.

5. Pearson, O.M. and Grine, F.E.; Re-analysis of the hominid radii from Cave of Hearths and Klasies River Mouth, South Africa; *Journal of Human Evolution*; vol. 132; pp. 577-592; 1997.

4. Churchill, S.E., Pearson, O.M., Grine, F.E., Trinkaus, E., and Holliday, T.W.; Morphological affinities of the proximal ulna from Klasies River Main Site: archaic or modern?; *Journal of Human Evolution*; vol. 31; pp. 213-237; 1996.

3. Pearson, O.M. and Grine, F.E.; Morphology of the Border Cave hominid ulna and humerus; *South African Journal of Science*; vol. 92; pp. 231-236; 1996.

2. Lam, Y.M., Pearson, O.M., and Smith, C.M.; Chin morphology and sexual dimorphism in the fossil hominid mandible sample from Klasies River Mouth; *American Journal of Physical Anthropology*; vol. 100; pp. 545-557; 1996.

1. Grine, F.E., Jungers, W.L., Tobias, P.V., and Pearson, O.M.; Fossil *Homo* femur from Berg Aukas, northern Namibia; *American Journal of Physical Anthropology*; vol. 97; pp. 151-185; 1995.

Articles Appearing in Chapters in Edited Volumes:

11. Pearson, O. M., Sparacello, V. S.; Behavioral differences between near eastern Neandertals and the early modern humans from Skhul and Qafzeh: an assessment based on comparative samples of Holocene humans; In: Hovers E, and Marom A, editors; *Human Paleontology and Prehistory: Contributions in Honor of Yoel Rak;* New York: Springer, pp. 175-186; 2017.

10. Pearson O. M., Petersen T. R., Sparacello V. S., Daneshvari S., Grine F. E. Activity, "body shape", and cross-sectional geometry of the femur and tibia; In: Carlson K, Marchi D (eds); *Mobility: Interpreting Behavior from Skeletal Adaptations and Environmental Interactions*; Springer, New York: Springer, pp. 133-151; 2014.

9. Pearson, O. M. Africa: the cradle of modern humans. In: *The Origins of Modern Humans: Biology Reconsidered*. Edited by F. H. Smith and J. C. Ahern. New York: Wiley-Blackwell, pp. 1-43; 2013.

8. Pearson, O. M. Integration of the genetic, anatomical, and archaeological data for the African origin of modern humans: problems and prospects. In S. C. Reynolds and C. G. Menter (eds.): *African Genesis: Perspectives on Hominin Evolution*. Cambridge: Cambridge University Press, pp. 423-448; 2012.

7. Pearson, O. M. Entries for: ADU-VP-1/3 (Aduma cranium), Ahmarian, Anthropogenic sediments, Art mobilier, Aurignacian, Berg Aukas, Blind River, Bodo, Bodo 1, Boskop, BOU-VP-16/1, Buia (Uadi Aalad), Buia cranium (UA 31), Buia pubis (UA 466), Die Kelders, Eliye Springs (KNM-ES 11693), Equus Cave, Eyasi, Fish Hoek, Fish Hoek 1, Florisbad, Florisbad 1, Foliate points, Gawis cranium, Gneiss inselberg, Gravettian, Herto, Hoedjiespunt, Hofmeyr, Hofmeyer skull, Hohle Fels, Iberomarusian, Ishango, Iron Age, Iwo Eleru, Jebel Sahaba, Kebaran, KGA 10-1, Klasies River Mouth, KNM-ER 736, KNM-ER 737, KNM-ER 738, KNM-ER 739, KNM-ER 741, KNM-ER 803, KNM-ER 813, KNM-ER 815, KNM-ER 993, KNM-ER 999, KNM-ER 1463, KNM-ER 1464, KNM-ER 1465, KNM-ER 1471, KNM-ER 1472, KNM-ER 1473, KNM-ER 1475, KNM-ER 1476, KNM-ER 1481, KNM-ER 1500, KNM-ER 1503-1505, KNM-ER 1591, KNM-ER 1592, KNM-ER 1807, KNM-ER 1808, KNM-ER 1809, KNM-ER 3228, KNM-ER 3728, KNM-ER 3735, KNM-ER 3884, KNM-ER 3888, KNM-ER 3951, KNM-ER 3956, KNM-ER 5428, KNM-ER 5881, KNM-ER 5882, KNM-ER 6020, Laetoli 18 (Ngaloba), Lainyamok, Lothagam LSA site, Lupemban, Revil Mason, Midden, Middle Paleolithic, Mousterian, Natufian, Ndutu 1, Neolithic, Nyabusosi (Behanga), OH 11, OH 22, OH 23, OH 51, Omo Kibish, Oranjemund, Pestle, Saldanha cranium, Sea Harvest, Singa, Singa 1, Tuinplaas, Tuinplaas skeleton, Wadi Dagadlé, and Wadi Halfa. In: B. A. Wood, editor, *Blackwell Dictionary of Human Evolution*. London: Blackwell; 2011.

6. Pearson, O. M.; Human evolution: radiations in the last 300,000 years (revised); In: *Encyclopedia of Life Sciences*; Crichester: John Wiley & Sons; 5 pp.; 2008.

5. Baker, J., Hurtado, M., Pearson, O., and Jones, T.; Evolutionary medicine and obesity: developmental adaptive responses in human body composition. In: Trevathan, W. R., Smith, E. O., and McKenna, J. J. (eds) *Evolutionary Medicine and Health: New Perspectives*; New York: Oxford University Press; pp. 314-324; 2008.

4. Pearson, O.M., Cordero, R.M. and Busby, A.M.; How different were Neanderthals' habitual activities? A comparative analysis with diverse

groups of recent humans; K. Harvati and T. Harrison (eds.); *Neanderthals Revisited: New Approaches and Perspectives*; New York: Springer; pp. 89-111; 2006.

3. Pearson, O.M. and Buikstra, J.E.; Behavior and the bones. In J. E. Buikstra and L. A. Beck (eds.): *Bioarchaeology: The Contextual Analysis of Human Remains*; New York: Elsvier; pp. 207-225; 2006.

2. Pearson O., Grine, F., Barham, L. and Stringer, C.; Human Postcranial Remains from the Middle and Later Stone Age of Mumbwa Caves; L. Barham (ed.); *The Middle Stone Age of Zambia, South Central Africa*. Bristol: Western Academic & Specialist Press Ltd, pp. 149-164; 2000.

1. Pearson, O.; Appendix 8: Human remains from Twin Rivers; L. Barham (ed.); *The Middle Stone Age of Zambia, South Central Africa*; Bristol: Western Academic and Specialist Press, pp. 281-282; 2000.

Other Writings: (not abstracts)

31. Pearson, O. M. Review of "Ancestral DNA, Human Origins, and Migrations," by Rene J. Herrera and Ralph Garcia-Bertrand. *Quarterly Review of Biology*; vol. 95; p. 95; 2020.

30. Pearson, O. M. Review of "Who We Are and How We Got Here: Ancient DNA and the New Science if the Human Past," by David Reich. *Journal of Anthropological Research*; vol. 75; pp. 612-613; 2019.

29. Pearson, O. M. Review of "Photographic Regional Atlas of Non-Metric Traits and Anatomical Variants in the Human Skeleton," by R. W. Mann, D. R. Hunt, and S. Lozanoff. *Journal of Anthropological Research*; vol. 75, pp. 252-253.

28. Pearson, O. M.; *Review of Skeletal Biology of the Ancient Rapanui (Easter Island)*, edited by V. H. Steffan and G. W. Gill; *Quarterly Review of Biology*; vol. 92; pp. 198-199; 2017.

27. Pearson, O. M.; Review of *Epigenetics: Linking Genotype and Phenotype in Development and Evolution*, edited by B. Hallgrímsson and B. K. Hall; *Homo*; vol. 65; pp. 179-180; 2014.

26. Pearson, O. M.; Review of "A Companion to Paleopathology," Edited by Anne L. Grauer; *Journal of Anthropological Research*; vol. 68; pp. 564-565; 2012.

25. Pearson, O. M.; Review of *Cro-Magnon. How the Ice Age Gave Birth to the First Modern Humans*, by Brian Fagan; *American Journal of Physical Anthropology*; vol. 145: pp. 334-335; 2011.

24. Pearson, O. M. Review of *Ancient Health: Skeletal Indicators of Agricultural and Economic Intensification*, edited by Mark Nathan Cohen and Gillian M. M. Crane-Kramer; *Journal of Anthropological Research*; vol. 65; pp. 350-352; 2009.

23. Pearson, O. M. Review of *Biological Anthropology of the Human Skeleton, second edition*, edited by M. A. Katzenberg and S. R. Saunders; *Quarterly Review of Biology*; vol. 84; p. 119; 2009.

22. Pearson, O.M.; Review of *Ethnobiology and the Science of Humankind*, edited by Roy Ellen; *Journal of Anthropological Research*; vol. 64; pp. 296-297; 2008.

21. Pearson, O. M.; Human evolution: radiations in the last 300,000 years (revised); In: *Encyclopedia of Life Sciences*; Crichester: John Wiley & Sons; 5 pp.; 2008.

20. Pearson, O. M.; Review of Jeffrey H. Schwartz's *Skeleton Keys*, second edition; *Journal of Anthropological Research*; vol. 64; pp. 129-130; 2008.

19. Pearson, O.; What is a Neanderthal; *Dig*; (2007, September issue); pp. 7-9; 2007.

18. Pearson, O.; Tooling around; *Dig*; (2007, September issue); p. 21; 2007.

17. Pearson, O.M.; Modern human origins; *McGraw-Hill 2007 Yearbook of Science & Technology*. New York: McGraw-Hill; pp. 146-149; 2007.

16. Pearson, O.M. and Busby, A.M.; Physique and ecogeographic adaptations of the Last Interglacial Neandertals from Krapina; *Periodicum Biologorum*; vol. 108; pp. 449-455; 2006.

15. Pearson, O.M.; Review of "The Chosen Species: The Long March of Human Evolution" by Juan Luis Arsuaga and Ignacio Martínez. *Journal of Anthropological Research*; vol. 62; pp. 421-422; 2006.

14. Pearson, O.M.; Tobias and Taung turn eighty; *Evolutionary Anthropology*; vol. 15; pp. 79-82; 2006.

13. Pearson, O.M.; Review of *The Human Fossil Record, Vol. 4. Craniodental Morphology of Early Hominins (Genera* Australopithecus, Paranthropus, Orrorin*), and Overview*, by Jeffrey H. Schwartz and Ian Tattersall; *Journal of Anthropological Research*; vol. 61; pp. 535-536; 2005.

12. Pearson, O.M. and Petersen, T.R.; Comment on Reno et al, "Plio-Pleistocene Hominid Limb Proportions: Evolutionary Reversals or Estimation Errors?"; *Current Anthropology*; vol. 46; p. 584; 2005,

11. Edgar, H., Goff, A. and Pearson, O.; Forensic applications of dental morphology in the Southwestern United States. *Proceedings of the 13th International Symposium on Dental Morphology, Lodz, Poland, August 2005*; 2005.

10. Pearson, O.M.; Review of *The Human Fossil Record. Volume 2. Craniodental Morphology of the Genus* Homo *(Africa and Asia),* by Jeffrey Schwartz and Ian Tattersall. *Journal of Anthropological Research*; vol.60; pp. 130-131; 2004.

9. Pearson, O. M. Review of *Lowly Origin: Where, When, and Why our Ancestors First Stood Up*, by Jonathan Kingdon. *Journal of Anthropological Research* 59: 333-335; 2003.

8. Pearson, O. M. Review of *Neanderthal Burials: Excavation of the Dederiyeh Cave, Afrin, Syria*, edited by T. Akazawa and S. Muhesen. *Journal of Anthropological Research* 59: 335-336; 2003.

7. Pearson, O. M. and Stone, A. C. On a diffusion wave as the genetic mechanism for spread of modern humans. *Current Anthropology* 44: 559-561; 2003.

6. Pearson, O. M. Review of *Cycles of Contingency: Developmental Systems and Evolution*, edited by S. Oyama, P. E. Griffiths, and R. D. Gray. *Journal of Anthropological Research* 59: 303-304; 2003.

5. Pearson, O. M. Comment on H. Leach's "Human domestication reconsidered" *Current Anthropology* 44: 362-363; 2003.

4. Pearson, O. M. Review of Jon Kalb's "Adventures in the Bone Trade: The Race to Discover Human Ancestors in Ethiopia's Afar Depression." *Journal of Anthropological Research* 57: 87-88; 2001.

3. Pearson, O. M. Human evolution: radiations in the last 300,000 years. In: *Encyclopaedia of Life Sciences*. London: Macmillan Reference Limited. (http://www.els.net); 2001.

2. Pearson, O. M. Review of "Conceptual Issues in Modern Human Origins Research", edited by G. A. Clark and C. M. Willermet. *American Antiquity* 64: 181-182; 1999.

1. Pearson, O.M., Churchill, S.E., Grine, F.E., Trinkaus, E. and Holliday, T.W.; Multivariate analyses of the hominid ulna from Klasies River Mouth; *Journal of Human Evolution*; vol. 34; pp. 653-656; 1998.

Works in Progress: (divide into subsections by type, as for published work)
Author(s); Title; Name of publisher or journal.

Accepted for publication: (Note date of acceptance and probable date of publication)

Submitted for publication: (Note date of submission)

4. Pearson, O. M. Human evolution: radiations in the last 300,000 years (third edition). In: *Encyclopedia of Life Sciences*. Crichester: John Wiley & Sons. (Submitted 9/28/2020)

3. Pleurdeau, D.,' Asrat, A.' Hovers, E., Pearson, O., Leplongeon, A., Crèvecoeur I., Bahain J.-J., Chapon, C., Tribolo, C., Hoory, S., Biton, R., Sime, W. B., Stoetzel, E., Assefa, Z. Goda Buticha. In: Beyin, A., Wright, D., Wilkins, J., Bouzouggar, A., and Deborah Olszewski, D. (editors), Handbook of Pleistocene Archaeology of Africa: Hominin Behavior, Geography, and Chronology. (Submitted 10/15/2020)

2. Zachwieja, A. J., Demes, B., Jungers, W. L., Carlson, K. J., Grine, F. E., Pearson, O. M., Shackleford, L. L., and Polk, J. D. Ratios of humeral to femoral mid-shaft cortical area reflect differences in locomotor behavior in primates, including fossil hominins. *Journal of Human Evolution*, in revision.

1. Rabenold, D., Pearson, O. M. Dietary abrasiveness, hard object feeding, and the diet of *Paranthropus*. In: Constantino, P., Wood, B. A. (editors). *The Forgotten Lineage(s): Paleobiology of Paranthropus*. New York: Springer, submitted 9/15/2018.

Invited or Refereed Abstracts and/or Presentations at Professional Meetings:

67. Pearson. O. M., Hill, E. C. Teasing apart function and phylogeny in the human upper limb. *American Journal of Physical Anthropology Supplement*; vol. 70; p. 213; 2020; Abstract.

66. Pleurdeau, D., Hovers, E., Leplongeon, A., Asrat, A., Assefa, Z., Pearson, O., Tribolo, C., Sime, W. B., Stoetzel, E. Goda Buticha (Éthiopie) ou le fantôme de la transition du Middle au Later Stone Age (Goda Buticha (Ethiopia) or the phantom of the Middle to Later Stone Age transition). Collogue international: dynamiques culturelles et transformation des paysages dans un continent en mutation : du big dry à l'holocène dans l'est africain (Cultural Dynamics and Landscape Transformation in a Rapidly Changing Continent: From the Big Dry to the Holocene in Eastern Africa). Toulouse, France, September 25-27, 2019. Résumés des Communications, jeudi 26 septembre 2019; 2019.

65. Crevecoeur, I., Matu, M., Bayle, P., Pearson, O. Paléoanthropologie et dynamiques de peuplement depuis le stade IOS 3, une synthèse régionale (Paleoanthropology and population dynamics since IOS 3: a regional synthesis). Collogue international: dynamiques culturelles et transformation des paysages dans un continent en mutation : du big dry à l'holocène dans l'est africain (Cultural Dynamics and Landscape Transformation in a Rapidly Changing Continent: From the Big Dry to the Holocene in Eastern Africa). Toulouse, France, September 25-27, 2019. Résumés des Communications, mercredi 25 septembre 2019; 2019.

64. Pearson, O. M., Pablos, A., Rak, Y., Hovers, E. Amud 9, a partial Neandertal foot from the late Mousterian of Israel. Paleoanthropology Society Meetings, 2019, Albuquerque, New Mexico; 2019.

63. Pearson, O. M., Hill, E. C. Prediction of humerus length from the insertions of pectoralis major and the deltoid. *American Journal of Physical Anthropology Supplement*; vol. 68; p. 187; 2019.

62. Pearson, O. M., Hill, E. C., Peppe, D. J., Faith, J. T., Tryon, C. A. A hominin humerus from the late Middle Stone Age of Rusinga Island, Lake Victoria, Kenya. *Journal of Physical Anthropology Supplement; vol. 66*; p. 203; 2018.

61. Hill, E. C., Pearson, O. M., Durband, A. C. An analysis of upper and lower limb cross-sectional properties in the Lake Nitchie skeleton from southwestern New South Wales, Australia. *American Journal of Physical Anthropology Supplement*; vol. 64; p. 217; 2017.

60. Pearson, O. M., Hill, E. C., Sparacello, V. S. Variation among inferred habitual activity in Upper Pleistocene modern humans. *American Journal of Physical Anthropology Supplement*; vol. 64; p. 312; 2017.

59. Pearson, O. M., Hill, E. C. Patterns of strength and shape in the long bones upper limb. Fourth Annual Meeting of the *Southwest Association of Biological Anthropologists*; Tempe, Arizona. November 4-5, 2016.

58. Pearson, O. M., Crevecoeur, I., Assefa, Z., Pleurdeau, D., Hovers, E., Asrat, E., Bahain, J.-J., Tribolo, C., Lam, Y. M., Leplongeon, A. Early to

mid-Holocene human fossils from the Paleolithic of Goda Buticha, Ethiopia. Biannual Meeting of the Society for Africanist Archaeologists, Toulouse, France, June 26 – July 2, 2016; 2016.

57. Pearson, O. M., Crevecoeur, I., Assefa, Z., Pleurdeau, D., Hovers, E., Asrat, E., Bahain, J.-J., Tribolo, C., Lam, Y. M., and Leplongeon, A. Early to mid-Holocene human fossils from the Paleolithic of Goda Buticha, Ethiopia. Biannual Meeting of the Society for Africanist Archaeologists, Toulouse, France, June 26 – July 2; 2016.

56. Pearson, O. M., Hill, E. T., Valesca Meyer, J. Ecogeographical adaptations of Tanzanian skeletons from the German colonial period. *American Journal of Physical Anthropology Supplement*; vol. 62; pp. 249-250; 2016.

55. Zachwieja, A. J., Demes, B., Jungers, W. L., Carlson, K. J., Grine, F. E., Pearson, O. M., Shackelford, L. L., Polk, J. D. Ratios of humeral to femoral mid-shaft cortical area distinguish differences in locomotor behavior in fossil hominins and other primates. *American Journal of Physical Anthropology Supplement*; vol. 62; pp. 342-343; 2016.

54. Hill, E. C., Pearson, O. M., and Durband, A. C. A comparative analysis of upper limb cross-sectional properties in the Lake Mungo 3 skeleton from the Willandra Lakes, Australia. *American Journal of Physical Anthropology Supplement*; vol. 62; p. 174; 2016.

53. Pearson, O. M., Hill, E. C., Valesca Meyer, J., and Marquardt, W. F. Lifestyles of the early and anatomically modern. 3rd Annual Conference of the Southwest Association of Biological Anthropologists. Albuquerque, NM, October 23-24; 2015.

52. Pearson, O. M. and Sparacello, V. S.; A world-wide survey of humeral robusticity and midshaft shape. *American Journal of Physical Anthropology Supplement*; vol. 60; p. 250; 2015.

51. Pleurdeau, D., Hovers, E., Asrat, A., Pearson, O., Leplongeon, A., Bahain, J.-J., Tribolo, C., Hernandez, M., Chapon, C., Puaud, S. and others; The invisible frontier: East African MSA/LSA transition in Goda Buticha (Dire Dawa, Ethiopia); *Program of the European Society for the Study of Human Evolution (ESHE), 4th Annual Meeting, Florence, Italy, 18-20 September, 2014*; p. 130; 2014.

50. Wallace, I. J., Demes, B., Mongle, C., Pearson, O. M., and Lieberman, D. E.; Exercise-induced bone formation is poorly linked to peak strain magnitude; *American Journal of Physical Anthropology Supplement*; vol. 58; p. 264; 2014.

49. Leplongeon, A., Pleurdeau, D., Hovers, E., Asrat, A., Pearson, O., and Assefa, Z.; A Middle to Later Stone Age shift in eastern Ethiopia?; *Proceedings of the European Society for the study of Human Evolution (PESHE);* vol. 1; p. 117; 2012.

48. Pearson, O. M., Assefa, Z., Pleurdeau, D., Hovers, E., Asrat, A., Lam, Y. M., Bahain, J.-J., LePlongeon, A., Duquesnoy, A. F., Le Quellec, J.-L., and T/Tsion, C.; Human fossils from the Paleolithic of Buticha Cave, Ethiopia: results from excavations in 2008 and 2011 with a consideration of the taphonomical context; *American Journal of Physical Anthropology Supplement*; vol. 54; p. 235; 2012.

47. Pearson, O., Krasnec, K., Daneshvari, S., and Holck, P.; A possible case of acromegaly: the Viking chieftain buried in the Gokstad ship, Norway.

Abstracts of the 2011 Meeting of the Paleopathology Association, April 2011, Minneapolis, Minnesota; 2011.

46. Bruner, E. and Pearson, O.; Neurocranial evolution in Middle Pleistocene: a paleoneurological study of Jebel Irhoud 1.; *American Journal of Physical Anthropology Supplement*; vol. 52; pp. 98-99; 2011.

45. MacInnes, H. L. and Pearson, O. M.; Dimensions of the birth canal and age at death in prehistoric New Mexican women: A test of evolutionary optimality. *American Journal of Physical Anthropology Supplement*; vol. 52; p. 202; 2011.

44. Pearson, O. M., Petersen, T. R., Sparacello, V. S., Daneshvari, S., Mlady, G. and Grine, F. E.; Activity, ontogeny, and cross-sectional geometry of the femur and tibia.; *American Journal of Physical Anthropology Supplement*; vol. 52; p. 237; 2011.

43. Cordero, R., Sparacello, V. S. and Pearson, O. M.; The effects of terrain on cross-sectional geometric properties of the femur and tibia in two Puebloan populations from the Middle Rio Grande region. *American Journal of Physical Anthropology Supplement*; vol. 50; p. 85; 2010.

42. Pearson, O. M. and Stojanowski, C. M.; Appendicular morphology and ecogeographic adaptations of the early Holocene skeletons from Gobero, Niger.; *American Journal of Physical Anthropology Supplement*; vol. 50; p. 187; 2010.

41. Sparacello, V. S., O. M. Pearson, O. M. and Cowgill, L.; Growing up in the Gravettian: ontogeny of cross-sectional geometry in the lower limb. *American Journal of Physical Anthropology Supplement*; vol. 50; p. 221; 2010.

40. Jungers, W., Farke, A., Sutikna, T., Ruff, C., L. Shackelford, L., Stock, J., Carlson, K., Pearson, O. and Grine, F.; Long-bone geometry and skeletal biomechanics in Homo foresiensis.; *American Journal of Physical Anthropology Supplement*; vol. 50; p. 137; 2010.

39. Assefa, Z., D. Pleurdeau, E. Hovers, A. Asrat, O. Pearson, F. Duquesnoy, J.-L. Le Quellec, C. T/Tsion, Y. M. Lam. Results of the second field season of the South East Ethiopia Cave Survey Project: test excavations, survey, rock art, and spelothems Abstracts of the 2009 Annual Meeting of the Paleoanthropology Society; 2009.

38. Sparacello, V. S., O. M. Pearson, A. Coppa. Cross-sectional geometry of a warlike Samnite sample from the Alfedena necropolis (Iron Age, Italy). *American Journal of Physical Anthropology Supplement*; vol. 48; p. 378; 2009.

37. Pearson, O. M., S. Daneshvari, V. S. Sparacello. Relationships among skeletal dimensions correlated with body mass. *American Journal of Physical Anthropology Supplement*; vol. 48; p. 321; 2009.

36. Assefa, Z., Hovers, E., Pearson, O., Pleurdeau, D., Lam, Y., T/Tsion, C. Survey and exploration of cave sediments in southeastern Ethiopia: Preliminary results . Abstract of the 2008 Annual Meeting of the Paleoanthropology Society; 2008.

35. Pearson, O. M., and Petersen, T. R. World-wide variation in the body-size-adjusted torsional strength of major long bones. *American Journal of Physical Anthropology Supplement*; vol. 46; p. 169; 2008.

34. Petersen, T. R., and Pearson, O. M. Correspondence and divergence among seven measures of long bone robusticity. *Journal of Physical Anthropology Supplement*; vol. 46; p. 171; 2008.

33. Sparacello, V., Pearson, O. M., and Petersen, T. R. Untangling the effects of terrain and mobility on the cross-sectional geometry of the femur and tibia. *Journal of Physical Anthropology Supplement*; vol. 46; p. 199; 2008.

32. Pearson, O.M., Reeves, A.M. and Petersen, T.R.; Multivariate Analysis of the Postcranium of Markina Gora (Kostenki XIV), A 30,000 Year Old Skeleton from Russia; *Paleoanthropology Society Abstracts*; 2007.

31. Daneshvari, S., Pearson, O.M. and Malina, R.M.; Activity or biological affinity? Predictive equations for body mass in female collegiate athletes; *American Journal of Physical Anthropology Supplement*; vol. 44; p. 95; 2007.

30. Mondragón, M., Busby, A. and Pearson, O. M.; Ontogeny and musculoskeletal stress markers in prehistoric New Mexico; *American Journal of Physical Anthropology Supplement*; vol. 44; p. 173; 2007.

29. Pearson, O.M., Petersen, T.R. and Grine, F.E.; Prediction of long bone cross-sectional geometrical properties from external dimensions; *American Journal of Physical Anthropology Supplement*; vol. 44; p. 185; 2007.

28. Dansehvari, S., Pearson, O.M. and Malina, R.M.; Athletes: how different are they from the rest of us?*; American Journal of Physical Anthropology Supplement*; vol. 42; pp. 91-92; 2006.

27. Pearson, O.M.; The African origin of modern humans: integrating genetic, anatomical, and archaeological evidence; S.C. Reynolds, C.G. Menter, M.S. Robinson, and J. Hemingway (eds.); African Genesis. A Symposium on Hominid Evolution in Africa. Abstracts & Information. 8th-14th January 2006, University of the Witwatersrand Medical School, Johannesburg, South Africa; Johannesburg: University of the Witwatersrand; pp. 45-46; 2006.

26. Edgar, H., Goff, A. and Pearson, O.; Forensic applications of dental morphology in the Southwestern United States. 13th International Symposium on Dental Morphology, Lodz, Poland, August 2005; 2005.

25. Pearson, O.M. and Hanson, T.E.; Development of Bayesian discriminant analysis for multivariate data with missing values, with an application to the origin of modern humans. *American Journal of Physical Anthropology Supplement*; vol. 40; pp. 163-164; 2005.

24. Dansehvari, S., Pearson, O.M. and Malina, R.M.; Body mass estimation from anthropometric measurements in female collegiate athletes*. American Journal of Physical Anthropology Supplement*; vol. 40; pp. 91-92; 2005.

23. Pearson, O., Cordero, R. and Busby, A.; How different were Neanderthal habitual activities? Comparisons and analysis of the long bone strength and robusticity of Neanderthals and diverse groups of recent humans; *Abstracts of the NYU-Max Planck Conference*, "Neanderthals Revisited: New Approaches and Perspectives. January 27-29 at New York University"; pp. 39-42; 2005.

22. Lam, Y. M. and Pearson, O. Identifying the influence of density-mediated destruction on archaeological faunal assemblages; *Abstracts of the 2004 SAA meetings*; p. 198; 2004.

21. Pearson, O. and Cordero, R.; World-wide variation in residual strength of the humerus, femur, and tibia. *American Journal of Physical Anthropology Supplement*; vol. 38; p. 158; 2004.

20. Daneshvari, S. and Pearson, O.; Estimation of living body mass from multiple skeletal elements. *American Journal of Physical Anthropology Supplement*; vol. 38; p. 82; 2004.

19. Powell, J., Pearson, O. and Smart, J.; Physique and climatic adaptations of Paleoindians; *American Journal of Physical Anthropology Supplement*; vol. 38; pp. 162-163; 2004.

18. Lieberman, D.E., Pearson, O.M., Polk, J.D., Demes, B. and Crompton, A.W.; Old bones don't build; *Journal of Experimental Biology*; vol. 206; p. 3116; 2003.

17. Pearson, O.M. and Millones, M.; Postcranial reflections of climatic adaptation and habitual activity in Tierra del Fuego; *American Journal of Physical Anthropology Supplement*; vol. 36; p. 166; 2003.

16. Mondragón, M. and Pearson, O.M.; Occupational activity level in relation to bone strength; *American Journal of Physical Anthropology Supplement*; vol. 36; p. 153; 2003.

15. Pearson, O.M. and Lieberman, D.E.; Effects of age and exercise on long bone modeling and remodeling; *American Journal of Physical Anthropology Supplement*; vol. 34; p. 123; 2002.

14. Lieberman, D.E. Pearson, O.M. and Polk, J.; Growth versus repair responses to loading in the limb*; American Journal of Physical Anthropology Supplemen*t; vol. 34; p. 102; 2002.

13. Pearson, O., Jungers, W., Grine, F. and Mowbray, K.; The reliability of estimates of hominin body mass derived from bi-iliac breadth and stature; *American Journal of Physical Anthropology Supplement*; vol. 32; p. 118; 2001.

12. Ray A. and Pearson, O.M.; It's not all in your head: Analyses of population affinity based on postcranial discriminant functions; *American Journal of Physical Anthropology Supplement*; vol. 32; p. 123; 2001.

11. Devlin, M.J., Lieberman, D.E. and Pearson, O.M.; An experimental test of articular surface response to mechanical loading; *American Journal of Physical Anthropology Supplement*; vol. 30; pp. 138-139; 2000.

10. Pearson, O.M.; Postcranial differences between Neandertals and cold-adapted recent humans; *American Journal of Physical Anthropology Supplement*; vol. 30; p. 247; 2000.

9. Pearson, O.M.; Postcranial differences between the earliest modern humans and recent people; *Journal of Human Evolution*; vol. 36; pp. A16-A17; 1999.

8. Pearson, O.M. and Lieberman, D.E.; The femur is mightier than the tibia: inferring activity levels using limb bone cross-sectional properties;

American Journal of Physical Anthropology Supplement; vol. 28; pp. 219-220; 1999.

7. Pearson, O.M.; Postcranial evidence for the origin of modern humans; *American Journal of Physical Anthropology Supplement*; vol. 26; pp. 176-177; 1998.

6. Pearson, O.M.; The distinctiveness of Neandertal diaphyseal robusticity; *American Journal of Physical Anthropology Supplement*; vol. 24; p. 184; 1997.

5. Whalen, M.P., Grine, F.E., Pearson, O.M. and Gallow, K.; Variation of cortical bone distribution in the human femur; *American Journal of Physical Anthropology Supplement*; vol. 24; p. 238; 1997.

4. Pearson, O.M. and Grine, F.E.; Cortical thickness and relative bending moments in human long bones: correlations among elements; *American Journal of Physical Anthropology Supplement*; vol. 22; p. 183; 1996.

3. Pearson, O.M., Jungers, W.L., and Grine, F.E.; Biomechanical scaling of human femora and tibiae: isometry or allometry?; *American Journal of Physical Anthropology Supplement*; vol. 20; p. 169; 1995.

2. Pearson, O.M.; Climatic correlates of morphological variation in fascicularis-group macaques; *American Journal of Physical Anthropology Supplement*; vol. 18; p. 159; 1994.

1. Pearson, O.M.; A cladistic analysis of the Mousterian hominids from the Middle East; *American Journal of Physical Anthropology Supplement*; vol. 16; pp. 156-157; 1993.

Contributed (unrefereed) Abstracts and/or Oral Presentations at Professional Meetings:

Research Funding:

"Doctoral Dissertation Improvement: Population Dynamics in Prehispanic Northern Mexico," National Science Foundation; Osbjorn Pearson, PI, Sophie Kohn, Co-PI; Sophie Kohn, Co-PI; 2006; $10,829.

"The Biological Evidence of the San Pau Chu Site, Taiwan, and its Association with Austronesian Migration," Wenner-Gren Foundation; Osbjorn Pearson, PI, Hsiu-man Lin, Co-PI; 2005; $24,801.

"The Prevalence of Osteoarthritis in Wild Versus Captive Great Apes", L. S. B. Leakey Foundation; 2005; Osbjorn Pearson, PI, Demelza Poe, Co-PI; 2005; $11,404.

"Doctoral Dissertation Improvement: Taxonomic Implications of Basicranial Variation in *Australopithecus africanus*", National Science Foundation; Timothy R. Petersen, Co-PI; 2005; $8,665.

"Archaeological investigation of the Gorgora Stone Age site, Ethiopia", Research Allocations Committee, University of New Mexico; Osbjorn Pearson, PI; 2002; $5,067.

"Postcranial morphology and the origin of modern humans", Wenner-Gren Foundation for Anthropological Reesearch; Frederick Grine, PI, Osbjorn Pearson, Co-PI; 1996; $4,200.

"Postcranial morphology and the origin of modern humans", Boise Fund, Oxford University; Osbjorn Pearson, PI; 1996; $1,140.

Pending Research Funding:

Teaching

Doctoral Advisement:

Ph.D. Advisement – Current Students

1. Amanda Busby (**Advisor**) Dissertation title: *Somatic Growth Trajectories in Upper Pleistocene* Homo.

2. Robin Cordero (**co-Advisor** with Emily Jones) Dissertation title: *Exploitation of Avifauna in Late Precontact Societies of the Rio Grande Valley.*

4. Nadia Neff (**Advisor**). Dissertation title: undecided.

5. Diana Rabenold (**Advisor**) Dissertation title*: Did Paranthropus boisei specialize in eating the African C_4 sedge Cyperus papyrus? Results from Microwear Texture Analyses of Human Molars That Chewed papyrus*.

6. Jana Velasca Meyer (**Advisor**) Dissertation title: Undecided.

Ph.D. Advisement – Former Students

10. Ethan C. Hill (**Advisor**) Ph.D. 2020. Dissertation title: *Ecologically driven changes in subsistence strategies: an examination of bone cross-sectional geometrical properties in hunter-gatherers from Australia and early agriculturists from Belize*.

9. Vitale Sparacello (**Advisor**) Ph.D. 2013. Dissertation title*: The Bioarchaeology of Changes in Social Stratification, Warfare, and Habitual Activities in the Iron Age Samnites of Central Italy.*

8. Shamsi Rebecca Daneshvari (now Berry) (**Advisor**) Ph.D. 2011. Dissertation title: *Effects of Body Mass on the Skeleton.*

7. Wendy E. Potter (now McQuade) (**Co-Advisor** with Jane Buikstra) Ph.D. 2010. Dissertation title: *Evidence for a Change in the Rate of Aging of Osteological Indicators in American Documented Skeletal Samples.*

6. Timothy R. Petersen (**Advisor**) Ph.D. 2010. Dissertation title: *Taxonomic Implications of Basicranial Variation in* Australopithecus africanus.

5. Demelza J. Poe (**Advisor**) Ph.D. 2009. Dissertation title: *The Prevalence of Osteoarthritis in Wild Versus Captive Great Ape Skeletons*.

4. Hsiuman Lin (**Co-Advisor** with Anne Stone) Ph.D. 2009. Dissertation title: *The Biological Evidence from the San-Pao-Chu Site, Taiwan, and its Association with the Austronesian Migration*.

3. Anna Louise East (**Co-Advisor** with Jane Buikstra) Ph.D. 2008. Dissertation title: *Reproduction and Prenatal Care in Arizona Prehistory: An Examination of Patterns of Health in Perinates and Children at Grasshopper, Point of Pines, and Turkey Creek Pueblos*.

2. Elizabeth Ann Carson (**Advisor**) Ph.D. 2006. Dissertation title: *Environmental Contributions to Human Microevolution in Pleistocene and Holocene Australia.*

1. Thomas Estenson (**Advisor)** Ph.D. 2004. Dissertation title: *Evolution and Variation in the Human Nasopharynx.*

Ph.D. Committee Membership – Current Students

5. Katherine L. Brewer (Committee Member) Dissertation title: *Catholic Conversion and Native Burial Practices in the U.S. Southwest.*

4. Tyler Dunn (Committee Member; Dr. Laura Shackelford, University of Illinois at Urbana-Champaign, Chair). Dissertation title: undecided.

3. Scott Kirk (Committee Member) Dissertation title: *Functional Changes in Fortified Places: Strategy and Defensive Architecture in the Medieval and Early Modern Era.*

2. William Marquardt (Committee Member). Dissertation title: Good Impressions at Work: *Exploring Task Segmentation in the Middle Rio Grande Valley*.

1. Anna Rautman (now Mendendorf) (Committee Member) Dissertation title: *Tradeoffs in Growth and Development in the Skeletal and Dental Systems: A Life History Approach*.

Ph.D. Committee Membership – Former Students

19. Matthew Schwartz (Committee Member) Ph.D. 2020. Dissertation title: *Sex Differences in Age-Related Health Outcomes*.

18. Wesley Allen-Arave (Committee Member) Ph.D. 2020. Dissertation title: *The Sociality of Charitable Giving in an Evolutionary Perspective*.

17. Alexis O'Donnell (Committee Member) Ph.D. 2019. Dissertation title: *The Impact of Migration on Health in the Pre-Contact Southwestern United States.*

17. Alexis O'Donnell (Committee Member) Ph.D. 2019. Dissertation title: *The Impact of Migration on Health in the Pre-Contact Southwestern United States.*

16. Jason King (Committee Member) Ph.D. 2016. Dissertation title: *Twenty-first Century Woodland Archaeology in the Lower Illinois River Valley: a Regional Model*.

15. Anthony Koehl (Committee Member) Ph.D. 2016. Dissertation title: *Estimating Ancestry and Genetic Diversity in Admixed Populations*.

14. Corey Radsdale (Committee Member). Ph.D. 2014. Dissertation title: *Cultural Ecology and Biological Distance among Postclassic Mexican Populations*.

13. Matthew J. O'Brien (Committee Member) Ph.D. 2013. Dissertation title: *The Socioeconomic Organization of Communal Hunting: An Archaeological Investigation into Shoshone Collective Action.*

12. Lara Noldner (Committee Member) Ph.D. 2013. Dissertation title: *Bioarchaeological Investigation of the Effects of Spanish Contact on the Lifestyles and Social Structure of the Tipu Maya in West Central Belize.*

11. Michael Church (Committee Member) Ph.D. 2012. Dissertation title: *Florentine Palaces, Costly Signaling, and Lineage Survival.*

10. John Anderson (Committee Member) Ph.D. 2010. Dissertation title: *The Modern Human Skull: Definition by Integrationist and Modular Models*.

9. Danielle F. Royer (Outside Committee Member; student at Stony Brook University) Ph.D. 2009. Dissertation title: *Morphometric Variation in the Appendicular Skeleton of Recent and Prehistoric Humans.*

8. John Rissetto (Committee Member) Ph.D. 2009. Dissertation title: *A Portrait of Land Use: Investigating Late Pleistocene Hunter-Gatherer Mobility Patterns in Northern Spain.*

7. Oskar Burger (Committee Member) Ph.D. 2009. Dissertation title: *Ecological Constraints and Life History Tradeoffs among Human Foragers and their Prey*.

6. Marcus Hamilton (Committee Member) Ph.D. 2008. Dissertation title: *Quantifying Clovis Dynamics: Confronting Theory with Models and Data Across Scales.*

5. Jack Baker (Committee Member) Ph.D. 2007. Dissertation title: *The Evolutionary Ecology of Thrifty Metabolism: Early-Life Signals of Environmental Instability and Later Body Composition in Humans.*

4. Robert Walker (Committee Member) Ph. D. 2004. Dissertation title: *Evolution of Delayed Maturity: Ontogeny and Behavior in Two South American Indiginous Populations*.

3. Michael Schillaci (Committee Member) Ph.D. 2002. Dissertation title: *Nonhuman Primate Hybridization and the Study of Neanderthal Taxonomy: A Morphometric and Radiographic Analysis of Craniofacial Growth and Variation among the Macaques of Sulawesi.*

2. Megan Perry (Committee Member) Ph.D. 2002. Dissertation title: *Health, Labor, and Political Economy: A Bioarchaeological Analysis of Three Communities in Provincia Arabia*.

1. Winston Crandall (Outside Member, Dept of Math and Statistics) Ph.D. 2002. Dissertation title: *Selection Criteria for Log-Linear and Location Models.*

Masters Advisement:

5. Kara Bond (Advisor).

4. Juliette Henrion, M. A., 2019 (Outside reader for a M. A. in Quaternary and Prehistory, Muséum National d'Histoire Naturelle, Paris, France. Advisors: Sandrine Prat and Nicolas Melard). Thesis title: *Régimes*

alimentaires des Paranthropes et premiers représants du genre Homo sud- et est- africains: Apports de l'étude des usures dentaires.

3. Jana Velasca Meyer, M.A., 2018, (Committee Member).

2. William Marquardt, M. A. 2017, (Committee Member).

1. Jenna Strawbridge (Advisor) M.A. 2015.

Bachelor's Honors Advisement:

Bachelor's honors advisement

10. Aimelda Mariel Angel. 2019. Honors thesis title: *New Mexico Ancestral Pueblo Subadults: Evidence for Osteological Scorbutic Lesions*.

9. Kara Bond. 2018. Honors thesis title: *Assessing a Sexing Standard Through Deciduous Dentition in the Economides Collection*.

8. Amber Eliza Trujillo. 2016. Making Accessible Research Careers (MARC) Program. Project title: *Morphoscopic Analysis of Bone Healing in Post-Mortem Remains: Prediction of Time Between Injury and Death.*

7. Sonee T. Swisley. 2013. Honors thesis title: *Use It and Lose It: Current Theory on the Evolution, Use and Attrition of the Anterior Dentition in the Genus* Homo.

6. Amanda Rae Wittrup. 2012. Honors thesis title: *Climate, Geography, and Human Cranial Form*.

5. Heather MacInnes. 2011. Honors thesis title: *Dimensions of the Birth Canal and Age at Death in Prehistoric New Mexican women: A test of Evolutionary Optimality*.

4. Rachel Sampson. Honors thesis title: *The Effects that Interactions between Genes and Environment Have on the Development of Cognitive and Behavioral Disorders.*

3. Tahirih de la Cerda. Honors thesis title: *Pathology of the Vertebral Column and its Relationship to Activity: Research on a Risk Factor for Degenerative Joint Disease*.

2. Monica Mondragón. Honors thesis title: *Effects of Age and Activity on Haversian Remodeling: A Histological and Cross-Sectional Analysis.*

1. Alisha Ray. Honors thesis title: *It's Not All in Your Head. Analysis of Population Affinity Based on Postcranial Discriminant Functions*.

Undergraduate Student Mentoring:

See Bachelor's Honors Advisement, above.

Classroom Teaching:

Fall 2020
Anthropology 1115 Introduction to Anthrooplology
Anthropology 351L Anthropology of the Human Skeleton

Spring 2020
Anthropology 323 African Prehistory
Anthropology 351L Anthropology of the Human Skeleton

Fall 2019
On sabbatical

Spring 2019
Anthropology 451/651 Bioarchaeology
Anthropology 101 Introduction to Anthrooplology

Fall 2018
Anthropology 150 Evolution and Human Emergence
Anthropology 351L Anthropology of the Human Skeleton

Spring 2018
Anthropology 357 Human Origins
Anthropology 451/651 Bioarchaeology

Fall 2017
Anthropology 351L Anthropology of the Human Skeleton
Anthropology 323 African Prehistory

Spring 2017
Anthropology 150 Evolution and Human Emergence
Anthropology 451 Bioarchaeology

Fall 2016
Anthropology 351L Anthropology of the Human Skeleton
Anthropology 340/570 Medieval Archaeology (co-taught with James Boone)

Summer 2015
Anthropology 101 (online) Introduction to Anthropology

Spring 2015
Anthropology 101 Introduction to Anthropology
Anthropology 357 Human Evolution

Fall 2014
Anthropology 351L Anthropology of the Human Skeleton
Anthropology 457/557 Paleoanthropology

Summer 2014
Anthropology 101 (online) Introduction to Anthropology

Spring 2014
Anthropology 101 Introduction to Anthropology
Anthropology 340/570 Medieval Archaeology (co-taught with James Boone)
Anthropology 450/550 Topics: Functional Morphology

Fall 2013
Anthropology 101 Introduction to Anthropology

Anthropology 351L Anthropology of the Human Skeleton

Summer 2013
Anthropology 101 (online) Introduction to Anthropology

Spring 2013
On leave

Fall 2012
Anthropology 351 Anthropology of the Skeleton

Spring 2012
Anthropology 101 Introduction to Anthropology (online Extended University course)
Anthropology 340/570 Medieval Archaeology (co-taught with James Boone)

Fall 2011
Anthropology 451/651 Bioarchaeology
Anthropology 351L Anthropology of the Skeleton

Spring 2011
Anthropology 101 Introduction to Anthropology
Anthropology 357 Human Origins
Anthropology 150 Evolution and Human Emergence

Fall 2010
Anthropology 101 Introduction to Anthropology
Anthropology 351L Anthropology of the Skeleton

Summer 2010
Anthropology 101 Introduction to Anthropology
Anthropology 150 Evolution and Human Emergence

Spring 2010
Anthropology 451/651 Bioarchaeology
Anthropology 420/570 Medieval Archaeology (co-taught with Jim Boone)

Fall 2009
Anthropology 101 Introduction to Anthropology
Anthropology 457/557 Paleoanthropology

Spring 2009
Anthropology 101 Introduction to Anthropology
Anthropology 357 Human Origins

Fall 2008
On sabbatical

Spring 2008
Anthropology 101 Introduction to Anthropology
Anthropology 357 Human Origins

Fall 2007
Anthropology 101 Introduction to Anthropology

Spring 2007

Anthropology 101 Introduction to Anthropology
Anthropology 350 Human Biology

Fall 2006
Anthropology 101 Introduction to Anthropology
Anthropology 457/557 Paleoanthropology

Spring 2006
Anthropology 150 Evolution and Human Emergence
Anthropology 357 Human Origins

Fall 2005
Anthropology 101 Introduction to Anthropology
Anthropology 557/457 Paleoanthropology

Spring 2005
Anthropology 101 Introduction to Anthropology
Anthropology 357 Human Origins

Fall 2004
Anthropology 458 Reconstructing Life from the Skeleton
Anthropology 556 Inferring Behavior from the Skeleton
Anthropology 151L Human Evolution Laboratory (1 section)

Spring 2004
Research Semester

Fall 2003
Anthropology 150 Evolution and Human Emergence
Anthropology 457/557 Paleoanthropology

Summer 2003
Anthropology 351 Anthropology of the Human Skeleton

Spring 2003
Anthropology 350 Human Biology
Anthropology 357 Human Origins

Fall 2002
Anthropology 450 Topics in Biological Anthropology: Reconstructing Life from the Skeleton
Anthropology 550 Topics in Biological Anthropology: Inferring Activity and Behavior from the Skeleton.

Spring 2002
Anthropology 350 Human Origins
Anthropology 577 Seminar: The Middle to Upper Paleolithic transition (co-taught with Professor Lawrence Straus)

Fall 2001
Anthropology 150 Evolution and Human Emergence
Anthropology 557/457 Paleoanthropology
Bi-weekly Statistics seminar (organized in conjunction with Ed Bedrick and Joe Powell)

Spring 2001
Anthropology 350 Human Biology
Anthropology 357 Human Origins

Fall 2000
Anthropology 150 Evolution and Human Emergence
Anthropology 550 Modern Human Origins: The Fossil Evidence
Organized an informal, weekly graduate seminar with Ed Bedrick (Math & Statistics Department) and Joe Powell on the use of statistics in Anthropology.

Spring 2000
Anthropology 150 Evolution and Human Emergence
Anthropology 457/557 Paleoanthropology

Fall 1999
Anthropology 351 Anthropology of the Human Skeleton

Spring 1999
ANAT 217 Functional Anatomy I (Gross Anatomy for Physical Therapists), The George Washington University School of Medicine and Health Sciences, Dr. Ronald Bohn,Course Organizer.

Fall 1998
Medical Gross Anatomy, The George Washington University School of Medicine and Health Sciences, Dr. Ronald Bohn, Course Organizer.

Spring 1998
Anthropology 395 Quantification of Archaeological Data, Anthropology 531 Problems in Comparative Analysis", and Anthropology 573 Problems in Biological Anthropology, a combined undergraduate (ANT 395) and graduate (ANT 531 & 573) course on introductory statistics at Rutgers University.

Fall 1996
for HBA 541 Human Evolutionary Anatomy (and Medical Gross Anatomy), Professor W. L. Jungers, Instructor, State University of New York at Stony Brook. (Teaching Assistant).

Fall 1995
ANP 404 Human Osteology, Department of Anthropology, State University of New York at Stony Brook.

Curriculum Development or Teaching Administrative Positions:

Description; Date

Service:

List as appropriate, with academic year and description of service

Editorships

Assistant Editor, *Journal of Human Evolution*, Spring, 2008-Spring, 2012.

Editorial Associate for *Human Nature* Spring, 2003-Spring, 2016.

International Referee, *Journal of Anthropological Sciences (Rivista di Antropologia)*, Italy, Summer 2007-2012.

Book Review Editor for Biological Anthropology, *Journal of Anthropological Research*, January, 2008-present.

Reviewing for journals

Reviewer for:

American Journal of Human Biology
American Journal of Physical Anthropology
Collegium Antropologicum (Croatia)
Current Anthropology
Evolution
Evolutionary Anthropology
Human Nature
Journal of Anatomy
Journal of Anthropological Research
Journal of Anthropological Science
Journal of Archaeological Science
Journal of Human Evolution
Journal of Taphonomy
Nature
PaleoAnthropology
PeerJ
Proceedings of the National Academy of Sciences of the USA
Yearbook of Physical Anthropology

Reviewing for national funding organizations

Reviewer for:

Leakey Foundation
National Science Foundation
Research Council of Norway
Wellcome Trust
Wenner-Gren Foundation

Administrative work with professional societies, elect offices held

Local Arrangements Chair, Seventy-Ninth Annual Meeting of the American Association of Physical Anthropologists; Held in Albuquerque, New Mexico, from April 14-17, 2010.

Administrative work in Department, College, University committees

(DEPARTMENTAL SERVICE - i, General administrative functions)

Associate Chair of the Department of Anthropology, UNM, Spring and Fall, 2007.

Convener, Biological Anthropology / Human Evolutionary Ecology, Fall, 2007-2008.

Member of the Department of Anthropology's Graduate Committee, Fall, 2003-Spring, 2007. (Graduate Advisor for Biological Anthropology, Fall, 2003-Spring, 2007)

Member of the Ortiz Center's Programming Committee, Spring, 2003- Fall, 2006.

Department of Anthropology 75th Anniversary Jubilee Committee, Spring, 2003 – Spring, 2004.

Department of Anthropology Undergraduate Committee, Fall, 1999-Summer, 2003.

Undergraduate Advisor for Biological Anthropology, Fall, 1999-Summer, 2003.

(DEPARTMENTAL - ii, Annual reviews and tenure and promotion committees)

Member (responsible for summarizing the record of teaching), Annual Review Committee for Dr. Hannah Mattson, Fall, 2020.

Chair (responsible for summarizing the record of scholarship and soliciting outside letters of review), Promotion Committee (to Professor) for Dr. Heather J. H. Edgar (Spring-Fall, 2020). Other members: Professor Frances Hayashida (teaching), Professor Carla Sinopolo (service), Ms. Marina Carvalho (students' letters).

Member (responsible for summarizing the record of service), Promotion Committee (to Professor) for Dr. Martin Muller (Fall, 2020). Other members of the Committee: Professor Keith Prufer (Committee Chair and scholarship), Professor Wirt Wills (teaching), Ms. Cassie Smith (student letters).

Member (responsible for summarizing the record of teaching), Annual Review Committee for Dr. Hannah Mattson, Spring, 2019.

Chair (responsible for soliciting external reviewers and summarizing the record of scholarship), Departmental Tenure and Promotion Committee for Dr, Heather Edgar, Spring – Fall, 2014.

Chair (responsible for summarizing the record of scholarship), Annual Review Committee for Dr. Heather Edgar, Spring, 2014.

Chair (responsible for summarizing the record of scholarship), Annual Review Committee for Dr. Melissa Emery Thompson, Spring, 2012.

Member (responsible for summarizing the record of teaching), Mid-Probationary Review Committee for Dr. Ronda Brulotte, Spring, 2011.

Member (responsible for summarizing the record of service), Annual Review Committee for Dr. Heather Edgar, Spring, 2011.

Member (responsible for summarizing the record of service), Annual Review Committee for Dr. Sherry Nelson, 2011.

Member (responsible for summarizing the record of service), Tenure and Promotion Committee for Dr. Martin Muller (Spring, 2010).

Chair (responsible for summarizing the record of scholarship), Departmental Mid-Probationary Committee for Dr. Heather Edgar, a Research Assistant Professor in Anthropology, Spring, 2008.

Member (responsible for summarizing the record of service), Annual Review Committee for Dr. Martin Muller, Spring, 2008.

Chair (responsible for summarizing the record of scholarship), Annual Review Committee for Dr. Sherry V. Nelson, Spring, 2008.

Chair (responsible for summarizing the record of scholarship), Anthropology Department's 2005-2006 Annual Review Committee for Dr. Keith Hunley, Spring, 2006.

(DEPARTMENTAL iii — Search committees)

Member of the Search Committee to hire a Southwest Archaeologist, Fall, 2017-Spring 2018. Resulted in the hire of Dr. Hannah Mattson.

Member of the Search Committee to hire an Ethnologist specializing in Latin America, Fall 2011-Spring 2012. Resulted in the hires of Dr. Lindsay Smith and Dr. Cristobal Valencia.

Member of the Search Committee for a senior Biological Anthropologist, Fall 2007-Spring 2008. Resulted in the hire of Dr. Jeffrey Long.

Chair, Anthropology Department’s Search Committee for a Human Biologist, Fall, 2006 — Spring 2007. Resulted in the hires of Dr. Martin Muller, Dr. Sherry Nelson (spousal hire), and Dr. Melissa Emery Thompson (Dr. Muller’s Post-doctoral collaborator).

Member of the Search Committee for the Chair of the Department of Anthropology at UNM, Fall 2005 - Spring, 2006. Resulted in the hire of Dr. Michael Graves.

Member of the Hiring Committee for the Curator of Osteology at the Maxwell Museum, Fall 2002. Resulted in the hire of Dr. Heather Edgar.

UNIVERSITY SERVICE

Member, Faculty Senate, Fall, 2020-present

Member, Faculty Senate Budget Committee, Fall, 2020-present.

Chair, Faculty Senate's Lecturer Promotion Committee. Spring, 2017.

Member, Faculty Senate's Junior Tenure and Promotion Committee, Spring, 2018.

Member, Provost's Special Committee for Equity Raises, Fall, 2012.

Member, UNM Internal Review Board (IRB), Fall, 2008 – Spring, 2013.

UNM Research Allocations Committee, Fall 2002- Spring, 2008.

UNM Computer Use Committee, Spring 2001-Fall, 2002.

Community service, etc.

Member of the Board of Directors of the New Mexico Museum of Natural History and Science, Albuquerque, Spring 2003- Fall, 2006.