The University of Utah Archaeological Center is an arm of the Department of Anthropology. Founded in 1948 as the "Statewide Archaeological Survey," its original mission was to investigate the prehistoric archaeology of Utah. Under the leadership of its first Director, Jesse Jennings, it pursued an aggressive program of fieldwork and laboratory research, resulting in hundreds of publications on the archaeology of the eastern Great Basin and northern Colorado Plateau.

In 1978, the Survey was re-named the "University of Utah Archaeological Center," and James O'Connell appointed to replace Jennings as Director. Since then, the Center has continued to maintain its interest in regional research, but has also broadened its focus to include other aspects of prehistoric human ecology and evolution.

The Center is housed in the Stewart Building, just south of the Utah Museum of Natural History, on the University of Utah campus. It has two large laboratory rooms for teaching and research, a zoo-archaeological comparative collection, a small library, an archive of local research records, and a store of field equipment. It provides office space for staff, including the dozen or so graduate students usually involved in Center research at any given time. It is also the hub of the Anthropology Department's computing network. Most faculty and graduate students in the Department make at least some use of the Center's facilities; 20-25 faculty and graduate students do so routinely.

From 1998-2002, Center staff included the Director, Executive Secretary Jennifer Graves, Laboratory Manager Brianna Kramer, Museum Liaisons Rachel Quist and Shannon Arnold. Faculty most closely connected with the Center's research efforts were Jack Broughton, Kristen Hawkes, Duncan Metcalfe, Richard Paine, and Alan Rogers. Douglas Bird and Rebecca Bliege-Bird (now at the University of Maine) were post-doctoral associates in 1997-98 and 2000-01; Joan Coltrain acted in the same capacity from 1998 onward.

Graduate students most closely involved with the Center during 1997-2002 were:
Undergraduates similarly involved included:

- Julie Allen
- Shannon Arnold
- Jed Banta
- Bonnie Bass
- Joel Boomgarden
- James Burreston
- Tiffany Bustin
- Jessica Dalton
- Jill Haslam
- Laurel Heap
- Deb Jensen
- Ryan Jensen
- Marinel Kniesley
- Derinna Kopp
- Robert Lindquist
- Adam McLaughlin
- Katie Paraskeva
- Ellen Nelson
- Greg Nelson
- Kare Neve
- Audrey Prothro
- Rachel Quist
- Shannen Robson
- Corinne Springer
- Josh Trammel
- David Victor
- Sage Wall
- Jana Wallace
- Emilie Warden
- Dan Webber

Research

The attached appendix lists all grants, contracts, dissertations, theses, presented papers and publications produced by Center associates from January 1998-December 2002. Most of this work can be grouped under six headings:

- **Western North American archaeology.** Specific research topics include regional chronology, prehistoric hunter-gatherer ecology and technology, and the spread of prehistoric agriculture in the northern Colorado Plateau and eastern Great Basin.

- **Ecology of modern hunter-gatherers.** Research on time allocation, foraging returns and variation therein by age and sex among the Hadza of East Africa, the Meriam of Torres Strait, and the Mardu of Western Australia; implications for research on long-term human evolution.

- **Experimental and ethno-archaeology.** Economics of resource exploitation, with special emphasis on maize, acorns, geophytes and large ungulates; analyses of modern hunter-gatherer site structure.

- **Evolution of human life history.** Special emphases on life history changes associated with the Plio-Pleistocene transition in East Africa, and with the onset of modern climatic conditions in Europe.

- **Stable carbon isotopes and molecular genetics.** Investigations of the relationship between climate change, population replacement and subsistence economies in the eastern Great Basin and North American Arctic.
• Eastern Great Basin climate and environment. Special attention to the Pleistocene/Holocene transition in the eastern Basin.

Teaching
The Center is the main departmental venue for coursework on non-human osteology (Anth 4272 - Zooarchaeology) and archaeological methodology (Anth 4341 - Fundamentals of Archaeology). It also provides workspace for graduate and undergraduate research projects, commonly organized in cooperation with the Utah Museum of Natural History (Anth 4950 - Individual Studies). It also provides field equipment and lab space for the archaeological field school, run as a co-operative venture by the Department and the Museum.

Service
The Center maintains a large archive of basic data on local archaeology, and routinely responds to inquiries from the public on a wide range of archaeological topics. Center associates (both faculty and graduate students) serve on several state-wide boards involved in the management of archaeological resources, and also play an important role in the Utah Professional Archaeological Council, the most prominent group of professional archaeologists in the state.
PUBLICATIONS

Books and monographs
Broughton, J. M. (ed.)

Journal articles and book chapters
Bentley, G. R., R. R. Paine and J. L. Boldsen

Bliege Bird, R., and D. W. Bird

Blurton Jones, N. G., K. Hawkes and J. F. O'Connell


Blurton Jones, N. G., F. Marlowe, K. Hawkes and J. F. O'Connell

Bright, J. R.
Bright, J. R., and C. J. Loveland

Bright, J. R., and A. Ugan

Bright, J. R., A. Ugan and L. Hunsaker

Broughton, J. M.


Measuring resource depression with archaeological faunas: Insights from the Emeryville Shellmound vertebrate record. World Archaeology 34:60-83.


Broughton, J. M., D. B. Madsen and J. Quade 2000 Fish remains from Homestead Cave and lake levels of the past 13,000 years in the Bonneville Basin. *Quaternary Research* 53:392-401.


Harpending, H. C., and A. R. Rogers

Harpending, H., M. Batzer, M. Gurven, L. Jorde, A. Rogers and S. Sherry

Hawkes, K.


Hawkes, K., and R. Bliege Bird

Hawkes, K., J. F. O'Connell and N. Blurton Jones


Hayes, M. G., J. B. Coltrain, and D. H. O'Rourke


Jorde, L., M. Bamshad and A. Rogers
Lupo, K. D., and J. F. O'Connell


Massimino, J., and D. Metcalfe

Metcalfe, D.

O'Connell, J. F.

O'Connell, J. F., and F. J. Allen

O'Connell, J. F., K. Hawkes and N. G. Blurton Jones


O'Connell, J. F., K. Hawkes, K. Lupo and N. G. Blurton Jones
Paine, R. R.


2000 If a population crashes in prehistory and there is no paleodemographer there to hear it does it make a sound? American Journal of Physical Anthropology 112(2):181-190.

Paine, R. R., and J. L. Boldsen

Paine, R. R., and H. C. Harpending

Rogers, A. R.


Rogers, A. R.


Rogers, A. R. and J. M. Broughton.

Storey, G. R., and R. R. Paine

Ugan, A., and J. Bright

Watkins, W., C. Ricker, M. Bamshad, M. Carroll, S. Nguyen, M. Batzer, H. Harpending, A. Rogers and L. Jorde

West, D., D. Corbett, C. Lefevre, F. Bouchet, M. Geoffrey Hayes, J. B. Coltrain, and D. O’Rourke

Wooding, S., and A. R. Rogers

Technical reports


Christensen, E. R., and D. Metcalfe


O'Connell, J. F.


Notes, Comments, Reviews, Abstracts
Broughton, J.M.

Coltrain, Joan B.

Hawkes, K.

Hawkes, K., R. Bleige Bird and D. Bird

Hawkes, K., J. F. O'Connell and N. G. Blurton Jones
O’Connell, J. F.


O’Connell, J. F., and R. G. Elston

O’Connell, J. F., and K. D. Lupo

O’Connell, J. F., K. Hawkes and N. Blurton Jones


THESES and DISSERTATIONS

Bright, J.
2000 Ceramics and Mobility: Exploring the Role of Foraging Behavior and Implications for Culture-History. Publishable paper submitted in partial fulfillment of the Master's Degree, Department of Anthropology, University of Utah.
Christensen, E.

Edwards, D. E., and J. F. O'Connell

Heck, M. D.

Rampton, D.
1999  Human Patch Choice and its Effect on Mobility: An Archaeofaunal Examination of the Sudden Shelter Materials. Thesis submitted in partial fulfillment of the Master's Degree, Department of Anthropology, University of Utah.

Sharp, K.
1998  Grease Extraction and Differential Processing of Limb Elements, or in other words: Should One Boil, or Bust and Boil? Publishable paper submitted in partial fulfillment of the Master's Degree, Department of Anthropology, University of Utah.

Ugan, A.
1999  Changing Alyawarra Residential Distributions. Publishable paper submitted in partial fulfillment of the Master's Degree, Department of Anthropology, University of Utah.

**PRESENTED PAPERS**

Ainsworth, P.
2002  Home range, foraging range and isostatic rebound: Implications and alternative explanations for the ichthyofauna assemblage from Homestead Cave. 28th Great Basin Anthropological Conference; Elko, NV.
Geodynamics and the age of Utah Lake. Utah Professional Archaeological Council Spring Meeting; Richfield, UT.


2000 Mobility, foraging, time allocation and lithic technological organization. 27th Great Basin Anthropological Conference; Ogden, UT.

Flake scar sequencing: Addressing old questions with new techniques. 34th Annual Meeting of the Society for California Archaeology; Riverside, CA.

Ainsworth, P. and J. McCarthy

2002 The lithic landscape of the Black Rock Obsidian Source. Utah Professional Archaeological Council Fall Meetings; Price, UT.

Ainsworth, P. and E. Skinner.

2001 Obsidian sources and Great Salt Lake Holocene lake shores. Utah Professional Archaeological Council Fall Meetings; Salt Lake City, UT.

Ainsworth, P., and A. Steffen

2001 Mass consumption: Assembling theory and technique in aggregate analysis. 66th Annual Meeting of the Society for American Archaeology; New Orleans, LA.


2002 Locomotive Rock. 28th Great Basin Anthropological Conference; Elko, NV.

Barlow, K. R., and D. Metcalfe

2002 Storage strategies, caching, and the economy of a variable environment. 28th Great Basin Anthropological Conference; Elko, NV.

Boldsen, J. L., and R. R. Paine

1999 Human longevity since the Ice Age. Third European-American Research Colloquium on Social and Biological Determinants of Longevity, Max Planck Institute for Demographic Research; Rostock, Germany

Boomgarden, J., P. Nelson, S. Arnold and B. Bass

2002 The deluxe apartment in the sky. 28th Great Basin Anthropological Conference; Elko, NV.
Bright, J.
2002  Bioarchaeology and economic diversity: Nutrition and health in Great Basin prehistory. Colloquium, Department of Sociology, Social Work and Anthropology, Utah State University; Logan.

Plain Gray ceramics and adaptive diversity: Residential and logistic mobility in farmer-forager contexts. Colloquium, Department of Sociology, Social Work and Anthropology, Utah State University; Logan.

The politics of hunting: Fremont big-game exploitation in North American context. 28th Great Basin Anthropological Conference; Elko, NV.

Ceramic manufacture at Fallen Eagle and other sites: Exploring social relations of production in the Great Basin. 28th Great Basin Anthropological Conference; Elko, NV.

2000  Handling ceramic variability: Examples from the Great Basin and implications for elsewhere. 27th Great Basin Anthropological Conference; Ogden, UT.

Bright, J. and A. Ugan
2000  Resource intensification and material culture variability: A perspective from evolutionary ecology. Symposium organized for the 27th Great Basin Anthropological Conference; Ogden, UT.

Introduction to the archaeology of the Little Boulder Basin area. 27th Great Basin Anthropological Conference; Ogden, UT.

Bright, J., S. R. Simms, A. Ugan and M. Memmott
1998  Identifying adaptive diversity with plain ceramics: An example from Utah's west deserts. 26th Great Basin Anthropological Conference; Bend, OR.

Broughton, J. M.
2002  Measuring resource depression with archaeological faunas: Insights from the Emeryville Shellmound. 28th Meeting of the Great Basin Anthropological Society; Elko, NV. Also presented at the 36th Annual Meeting of the Society of California Archaeology; San Diego, CA.

Pre-Columbian human impacts on California vertebrates: Zooarchaeological evidence and implications for wilderness policy. 9th Congress of the International Council for Archaeozoology; Durham, UK. Also presented at the 67th Annual Meeting of the Society for American Archaeology: Denver, CO.
2001  Fish remains from Homestead Cave and lake levels of the past 13,000 years in the Bonneville Basin. Zooarchaeology and Ecology Field Class, California State University (Chico). Eagle Lake Biological Field Station; Eagle Lake, CA. (Also presented at Paleoclimate and Human Responses: An Interdisciplinary Workshop; SMU-in-Taos, Ft. Burgwin, NM, 2002.)

2000  Archaeofaunal evidence for late Holocene declines in foraging efficiency and implications for change in technology, health and stature. Annual Meeting of the Society of California Archaeology; Riverside, California.

Owl pellets and the Homestead Cave faunal sequence. Evergreen Junior High School, Salt Lake City, UT.

1998  Panel on issues in recovery, identification, quantification and interpretation of vertebrate faunal remains. 8th International Congress of the International Council for Archaeozoology; Victoria, B.C.

Resource intensification in prehistoric California: Were native peoples over-using their environment? Colloquium, Department of Political Science, Utah State University; Logan, UT.

The Homestead Cave ichthyofauna and the loss of fishes in Lake Bonneville. Colloquium, Department of Anthropology, University of Utah.

Broughton, J. M., and M. L. Raab (symposium organizers and chairs)


Coltrain, J. B.

2001  A reexamination of Hrdlicka’s Pre-Aleut and Aleut categories based on radiocarbon dating and stable isotope chemistry. 9th Annual Arctic Archaeology Conference; Salt Lake City, UT.

Eastern Arctic foraging strategies: A reconstruction of coastal paleodiets from the bone chemistry of Dorset, Thule and proto-historic burial assemblages. 70th Annual Meeting of the American Association of Physical Anthropologists; Kansas City, MO.

Invited participant. Arctic Social Science Workshop. Sponsored by the National Science Foundation and the Arctic Research Consortium of the United States; Seattle, WA.
Bone chemistry and paleodiet: Stable isotope and radiocarbon reconstructions of eastern Arctic subsistence strategies. 8th Annual Arctic Archaeology Conference; Lawrence, KS.

Coltrain, J. B., and S. W. Leavitt
1998 Evidence for abandonment of agriculture in the Great Salt Lake Basin: Correlations between climate and diet. 26th Great Basin Anthropological Conference; Bend, OR.

Hawkes, K.


Slow life histories & the role of grandmothers in human evolution. For the symposium Grandmothers: The Psychological, Social and Reproductive Significance of the Second Half of Life. Hanse Institute for Advanced Study; Demenhorst, Germany.

Discussant, NRC Workshop on the Biodemography of Fertility and Family Behavior; Washington D.C.

Grandmothers, the evolution of genus Homo, and the early archaeology. Southern California Primate Research Forum, Production and Reproduction: The Evolution of Primate and Human Life Histories; Fullerton, CA.


Paleolithic archaeologists need evolutionary anthropology: Riddles of early Homo. Annual Meeting of the Society for American Archaeology; Denver, CO.


Why do men hunt? Showing off and the evolution of men’s work. University of Tennessee; Knoxville, TN.


Why do men hunt? Lessons from the Hadza about men’s work. University of Michigan; Ann Arbor, MI.

Why do men hunt? Evolutionary lessons from the Hadza. Colloquium, Department of Anthropology, Washington State University; Pullman, WA.

2000

The evolution of human aging: Why are our life spans so long? Mating, Parenting and Subsistence: The evolution of male and female strategies in humans and primates, A symposium in honor of Irven DeVore; University of Minnesota, Minneapolis, MN.


1999

The evolution of human life histories: Lines of evidence to explain human uniqueness. Symposium on Primate Socio-ecology: The Role of Life Histories. The German Primate Center (DPZ); Goettingen, Germany.

Showing off and the evolution of men’s work. Workshop on Signs of quality: The Handicap Principle in Biology, Economics, and Culture; University College, London.

Why do women have mid-life menopause? Grandmothering and the evolution of human longevity. 10th Reinier de Graff Symposium: Female Reproductive Aging; Zeist, Netherlands.

Humans and the other hunting apes. Leakey Foundation: The Next Generation; Berkeley, CA.

Grandmothers, hunting and human nature. Colloquium on The Origin and Evolution of Sexual Behavior; Harvard University, Cambridge, MA.

Male mating competition and human evolution: Sexual divisions of labor and multiple fatherhood. Symposium on Partible Paternity. Annual Meetings of the American Association for the Advancement of Science; Anaheim, CA. [Coverage in Science (5 Feb 1999), The Economist (5 Feb 1999)]

1998


Is meat the hunter's property? Ownership and explanations of hunting and sharing. Wenner-Gren Conference on The Early Human Diet: The Role of Meat; Madison, WI.

The importance of ownership in explanations of hunting and meat sharing. Symposium on Cooperation, Reciprocity, and Food Sharing in Human Groups: Some Contemporary Approaches. Association for Politics and the Life Sciences; Boston, MA.


Who owns the meat? Ownership and explanations of hunting and sharing. MacArthur Preferences Network Meeting; Stanford, CA.

Grandmothers, gathering and the evolution of human diets. Symposium on The Evolution of Human Diets, International Congress of Archaeological and Ethnological Sciences; Williamsburg, VA.

Grandmothering, menopause, and the evolution of human life histories. The Evolution and Human Adaptation Lecture Series. University of Michigan; Ann Arbor, MI.

Grandmothering, menopause and human evolution. Evolutionary Biology Winter Symposium; University of Georgia, Athens, GA.

Hunting and meat sharing: Evolution of the nuclear family reconsidered. Evolutionary Biology Winter Symposium; University of Georgia, Athens, GA.

Hayes, M. G., J. B. Coltrain and D. H. O'Rourke

2002

Paleogenetic assessment of human migration and population replacement in North American Arctic prehistory. 8th Annual Arctic Forum; Washington, D. C.
Higgins, J.

2000  Human foraging strategies in the Holocene of Tierra del Fuego, Argentina. Institut für Ur- und Frühgeschichte; Tübingen, Germany.

1999  Prehistoric exploitation of birds in southern South America. Society for American Archaeology; Chicago, IL.

Higgins, J., and J. Bright

Hunsaker, L., and J. F. O'Connell
2002  Economic utility of Intermountain geophytes: Some preliminary results. 28th Great Basin Anthropological Conference; Elko, NV.

Metcalfe, D.
2002  Presenter and participant in roundtable discussion: Curation Issues in Utah Museums. Utah Museum Association Annual Conference; Park City, UT.

2000  Statewide NAGPRA Coordinator. Utah Museum Association Annual Conference; Price, UT.

1998  Prehistoric architecture in Utah. Historic Architecture Series, Division of State History; Salt Lake City, UT.

Metcalfe, D., and J. Spangler
2002  The Range Creek project. 28th Great Basin Anthropological Conference; Elko, NV.

O’Connell, J. F.
2002  Evolution of male strategies. Lecture, Program in Human Biology; Stanford University, Palo Alto, CA.

2001  The archaeology of grandmothering. Leakey Foundation/California Academy of Sciences Lecture Series on Human Evolution; San Francisco, CA.

Two-and-a-half million years of technological evolution in ten minutes! Utah Symposium in Science & Literature; University of Utah.
1999  Grandmothering and the evolution of *Homo erectus*. Plenary lecture for the Annual Meeting of the Human Behavior and Evolution Society; Salt Lake City, UT. [Earlier versions also delivered during Spring 1998 in departmental seminars at Australian National University (Canberra), LaTrobe University (Melbourne), and Sydney university (Sydney).]


O’Connell, J. F., and K. Hawkes

2000  The Basic Prey Model: More Versatile than you Thought? 27th Great Basin Anthropological Conference; Ogden, UT.

1998  Grandmothers, gathering and the evolution of human diets. International Congress of Archaeological and Ethnological Sciences; Williamsburg, VA.

O’Connell, J. F., K. Hawkes and N. Blurton Jones

1999  Can grandmothering explain the evolution of *Homo erectus*? Annual Meeting of the Paleoanthropology Society; Columbus, OH.


O’Connell, J. F., K. Hawkes, K. Lupo and N. Blurton Jones

2002  Male strategies and Plio-Pleistocene archaeology. Annual Meeting of the Paleoanthropology Society; Denver, CO.

O’Connell, J. F., and L. Hunsaker

2001  Economic utility of geophytes. Annual Meeting of the Society for Ethnobiology; Durango, CO. (Also presented at the conference on State of the Art in Phytolith and Starch Research in the Australian-Pacific-Asian regions; Australian National University, Canberra.)

2000  Economic utility of geophytes. 27th Great Basin Anthropological Conference; Ogden, UT. Also presented at Annual Meetings of the Society for Ethnobiology Meetings; Durango, CO.

Paine, R. R.

2002  Migration pulses and demographic recovery in Ancient Rome. Third Future Directions in Paleodemography International Workshop, Max Planck Institute for Demographic Research; Rostock, Germany.
2000 Modeling mortality and population dynamics in prehistory. Second Future Directions in Paleodemography International Workshop, Max Planck Institute for Demographic Research; Rostock, Germany.

1999 Human life history evolution in the Holocene: Paleodemographic evidence. Panum Institute, Copenhagen, Denmark.

Agriculture, changing selective pressures and life history in Holocene Europe. University of Cambridge, UK.

The adoption of agriculture and human life history. University College, London.


Epidemics and child mortality in pre-industrial Europe (8000 BC-AD 1400). Danish Center for Demographic Research, Odense, Denmark.

Human life history evolution in the Holocene: Paleodemographic evidence. ADBOU Seminar Series, Odense University, Denmark.

Mathematical modeling for paleodemography. Invited participant, Max Planck Institute for Demographic Research, Rostock, Germany.

Paine, R. R., and J. L. Boldsen

2002 Paleodemographic data and why the Holocene is essential: Understanding the evolution of human life history. Symposium on The Evolution of Human Life History. School of American Research, Advanced Seminar Series; Santa Fe, NM.

Paine, R. R., G. R. Storey and J. L. Boldsen

1998 Sex and death in the ancient world: Comparing paleodemographic and inscriptiveal data. 67th Annual Meeting, American Association of Physical Anthropologists; Salt Lake City, UT.

Petersen, H-C., J. L. Boldsen, and R. R. Paine


Rogers, A. R., and J. M. Broughton

1999 Re-analysis of the Emeryville fauna using ABCML. 64th Annual Meeting of the Society for American Archaeology; Chicago, IL.
Storey, G. R., and R. R. Paine

Spangler, J., and D. Metcalfe
2002  Categories, conundrums, and radiocarbon dates: Temporal frameworks for the Northern Colorado Plateau. Society of American Archaeology; Denver, CO.

Ugan, Andrew
2002  The relationship between foraging efficiency, energetic returns, and resource ecology. 28th Great Basin Anthropological Conference; Elko, NV.

Ugan, A., and A. R. Rogers
2000  Modeling the relationship between foraging returns, the optimal diet, and technological investment. 27th Great Basin Anthropological Conference; Ogden, UT.

GRANTS and CONTRACTS

Broughton, J. M.
2000  University of Utah Instrumentation Grant: Equipment for Stewart 114, Zooarchaeology Lab ($99,068).

University of Utah Capital Facilities & Remodeling Grant: Remodeling cooling system, fume hoods, and other facilities in Stewart 114 ($90,068).

1997  National Science Foundation: Late Holocene Human Impacts on Pacific Coast Bird Populations: Evidence from the Emeryville Shellmound Avifauna ($55,614).

1997  University of Utah Teaching Grant: Acquisition of skeletal and fossil specimens for the Department of Anthropology ($6,744).

Coltrain, J. B.
2002  National Science Foundation: Molecular Analyses of the Peabody Basketmaker Collection and their Implications for Anasazi Origins ($118,869).

1999  National Science Foundation: Phase Two of a Stable and Radioisotope Study of Eastern Arctic Economies ($82,409).

1998  National Science Foundation: Stable Carbon and Nitrogen Isotope Analysis of Eastern Canadian Arctic Populations with $^{14}C$ Chronologies ($98,924).
Metcalfe, D.
2001 Utah School and Institutional Trust Lands Administration: East Teasdale Archaeological Investigation II ($39,270).

2000 Utah School and Institutional Trust Lands Administration: Big Water Survey ($1,500).

U.S. Forest Service: Modoc National Forest Obsidian Sourcing ($2450).

Utah School and Institutional Trust Lands Administration: East Teasdale Archaeological Investigation ($29,966).


Utah School and Institutional Trust Lands Administration: Bagley Meadows Archaeological Investigation ($38,000).


U.S. Forest Service: Testing of Two Sites on the Warner Mountain Ranger District ($2,450).

Utah School and Institutional Trust Lands Administration: Tintic Parcel Archaeological Investigation ($3,000).

1998 National Science Foundation Doctoral Dissertation Grant: Mitochondrial DNA Sequence Variation of Ancient Eastern North American Arctic Peoples; Geoffrey Hayes, candidate ($12,000).

University of Utah: Fort Douglas Archaeological Project ($539,394).

O’Connell, J. F.
2000 National Science Foundation: Economic Utility of Geophytes in the Intermountain West ($117,700)

1998 National Science Foundation Doctoral Dissertation Grant: mtDNA Analysis of the Anasazi (Ancestral Pueblo); Shawn Carlyle, Candidate ($12,000).

Paine, R. R.
University of Utah, College of Social and Behavioral Sciences, Proposal Initiative Grant: Preliminary Archaeological Investigation of a Cemetery at Kenan Tepe, Turkey ($4,000).
University of Utah Faculty Research Grant: Preliminary Archaeological Investigation of a Cemetery at Kenan Tepe, Turkey ($6,000).

Paine, R. R., and K. Hawkes
2001 School of American Research: Advanced Seminar on The Evolution of Human Life ($30,000).

Paine, R. R., and D. O’Rourke
2000 National Science Foundation: Sex-based Mortality Differences among Sub-adults at Tirup, a Medieval Village in Eastern Jutland ($19,800).