
PATRICIA JANNETTE MCNEILL

DEPARTMENT OF ANTHROPOLOGY
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EDUCATION

PhD	University of California, Davis Department of Anthropology (Evolutionary Wing) Paleolithic Archaeology	2017-Present
BA	University of California, Davis Graduated <i>summa cum Laude</i> Majored in Evolutionary Anthropology	2017
Certificate	Cosumnes River College Geographic Information Science (GIS) ESRI ArcGIS	2015

AREAS OF INTERESTS

Paleolithic Archaeology, Modern Human Origins, South African Archaeology, Site Formation Processes, Human Migration, Hunter/Gatherer Mobility, Archaeometric Studies, Photography and Photogrammetry, Experimental Archaeology, and Geographic Information Systems (GIS)

HONORS AND AWARDS

Sacramento Archaeological Society Scholarship	Awarded \$1000 for summer field travel.	2017
Citation for Academic Achievement	In recognition of outstanding academic achievement and contributions to the department; Department of Anthropology, University of California, Davis.	2017
NSF-Graduate Research Fellowship (NSF-GRF)	Honorable Mention-applied as an undergraduate.	2016
NSF-Research Experiences for Undergraduates (NSF-REU)	Granted as a supplement NSF-SBE-BCS-Archaeology “Varsche Rivier 003: a new Middle Stone Age site (Namaqualand, South Africa)” awarded to T. Steele.	2016

Regent Scholarship	2015-2017
Awarded \$16,500 over two years plus additional grants for remaining educational and living expenses.	
University Honors Program	2015-2017
Successfully completed all requirements for transcript notation 2015-2016, 2016-2017.	

TEACHING EXPERIENCE

Teaching Assistant: Department of Anthropology University of California, Davis.	2017-Present
Classes: Human Evolutionary Biology (ANT 1) Introduction to Archaeology (ANT 3)	
Organizing and teaching lab and discussion sections, assisting students in coursework, grading coursework and exams, proctoring exams.	
Community Outreach: Department of Anthropology University of California, Davis.	2016-Present
Subjects: California Archaeology, North American Archaeology, Human Evolution	
Preparing and presenting lectures to elementary and middle school students visiting U.C. Davis.	

RESEARCH/LABORATORY EXPERIENCE

Dr. Teresa Steele -University of California, Davis	2016-Present
<ul style="list-style-type: none"> ▪ Assisted with the kiln-heating study and photographed OES specimens for publication: <i>An often overlooked resource: Ostrich (Struthio spp.) eggshell in the archaeological record</i>, Journal of Archaeological Science: Reports 13 (2017) 121-131, Collins, B., Steele, T.E. ▪ Separated and categorized burned bone from Varsche Rivier 003, recorded data from results of the sorting, and photographed a sample of the material. ▪ Analyzing data from Varsche Rivier 003 to explore the distribution of the MSA and LSA human activity and how it has impacted the formation of the site over time. ▪ Senior Honors Thesis: <i>Site Formation Processes and Human Use Analysis at Varsche Rivier 003, Western Cape, South Africa</i> 	
Dr. Jelmer Eerkens -University of California, Davis	2015-Present
<ul style="list-style-type: none"> ▪ Lab Assistant position in Archaeometry Lab: processing human remains (bone and teeth) in preparation for serial sectioning, demineralization, and collagen extraction for stable isotope analysis; weigh, prepare, and submit 	

collagen samples to the Stable Isotope Facility at U.C. Davis; prepare bioapatite samples for submission to lab for strontium isotope analysis.

- Completed Honors Contract for California Prehistory (ANT 176), conducting preliminary research into site CA-ALA-413 in Alameda County, California in preparation for Honors Thesis.
- Performed stable isotope analysis on sixteen individuals from site CA-ALA-413: demineralized bone in preparation for collagen extraction, weighed and submitted samples to Stable Isotope Facility, prepared collagen samples for radiocarbon dating.
- Senior Honors Thesis: *Stable Isotope Analysis and Changing Foraging Practices at CA-ALA-413*

Dr. Nicolas Zwyns-University of California, Davis **2016-Present**

- Participated in archaeological experiments in affiliation with the Center for Experimental Archaeology at Davis (CEAD), including raw material lithic heat treatment experiments with cryptocrystalline silica from multiple locations on the California coast.
- Produced perforated fish hook blanks by various methods from mussel, Norris, and red abalone shell to discern possible causes for raw material selection amongst the different Channel Island (CA) natives.
- Participated in lithic study to discern cultural transmission methods for fluted points and stemmed points.

Dr. Anastasia Panagakos-Cosumnes River College **2013-2016**

- Cosumnes River Archaeological Working Lab (CRAWL): Collection from Gold Rush era Sacramento, CA brothel property, excavated 1978-1981: The Enterprise Hotel Excavation.
- Sorted, cataloged, and identified miscellaneous artifacts from the excavation.
- Photographed all artifacts recovered from the sector determined to be a brick-lined privy.
- Conducted photographic reconstruction on glass photo plates recovered from the privy sector of the excavation.
- Presented research and reconstructions at professional conferences.
- Biographical research on residents of Sacramento, Ca 1860s-1880s.

FIELD EXPERIENCE

Excavator- Ranis, Saale-Orla Kreis, Thüringen, Germany **2017**

- Excavation on site, processing and cataloging of artifacts, total station operation, screening and sorting archaeological material.
- Dr. Shannon McPherron etc.

Excavator-Varsche Rivier 003, Namaqualand, South Africa **2016**

- Excavation on site, processing and cataloging of artifacts, total station operation, screening and sorting of archaeological material.
- Dr. Teresa Steele

Surveyor-Bureau of Land Management, Eagle Lake Field Office **2016**

- Archaeological survey and site recording of Horse Lake Great Basin.
- Marilla Martin, Sharynn-Marie Blood

Surveyor-Bureau of Land Management, Eagle Lake Field Office **2015**

- Archaeological survey and site recording of Belfast Rock Art site, creation of graphic illustrations of artwork for catalog documentation purposes.
- Marilla Martin, Sharynn-Marie Blood

REPORTS AND PUBLICATIONS

Eerkens, Jelmer W., McNeill, Patricia J., Ralston, Candice, Hull, Bryna (2017)

- *C, N, S and Sr Isotope Analysis of Three Burials from CA-MNT-2328*

Eerkens, Jelmer W., Bartelink, Eric J., McNeill, Patricia J. (2017)

- *Carbon and Nitrogen Isotope Analysis of Bone Collagen at CA-SCL-609*

CONFERENCE PRESENTATIONS - PRESENTED BY PATRICIA MCNEILL UNLESS OTHERWISE NOTED

10. McNeill, Patricia J. (2017) *Site Formation Processes and Human Use Analysis at Varsche Rivier 003, Western Cape, South Africa*

- Paper presented at Undergraduate Research Conference, University of California Davis, April 29, 2017.

9. McNeill, Patricia J.; Eerkens, Jelmer (2017) *Stable Isotope Analysis and Changing Foraging Practices at CA-ALA-413*

- Poster presented at Society for California Archaeology (SCA) Annual Meeting, Fish Camp, March 11, 2017.

8. Evoy, Angela M., Watson, Sara E., McNeill, Patricia J., Allshouse, Aurora F., Smith, Kevin N., and Zwyns, Nicolas (2017) *Replicative Studies Aimed at Understanding the Effects of Heat Treatment on California Siliceous Stone*

- Paper presented by Angela Evoy at Society for California Archaeology (SCA) Annual Meeting, Fish Camp, Ca, March 11, 2017.

7. Smith, Kevin N.; Duckworth, Lauren J.; McNeill, Patricia J.; Dunham, Samantha; Radtkey, Nicholas; Chang, Liu; and Vellanoweth, René L. (2017) *The Use of Replicative Studies in Understanding Material Selection Strategies for Fishhook Production on San Nicolas Island, CA*

- Paper presented by Kevin Smith at the Society for California Archaeology (SCA) Annual Meeting, Fish Camp, March 11, 2017.

6. Evoy, Angela; Hull, Bryna E.; McNeill, Patricia J. (2016) *Isoscaping from One Range to the Other*

- Poster presented at Western Bioarchaeology Group (WEBIG) Fourth Annual Conference, Sonoma State University, October 8, 2016.
5. **Duckworth, Lauren J.; McNeill, Patricia J; Dunham, Sam J.; Radkey, Nicholas; Chang, Lui; Smith, Kevin N. (2016)** *The Use of Replicative Studies in Understanding Material Selection Strategies for Fishhook Production on San Nicolas Island, CA*
 - Poster presented at the Sacramento Anthropological Society Conference, California State University Sacramento, May 6, 2016.
 - Poster presented by Lauren Duckworth at the Undergraduate Research Conference, University of California Davis, April 8, 2016.
 4. **McNeill, Patricia J. (2015)** *Echoes of the Past: Reconstructing a Site Using Historical Images*
 - Poster presented at Sacramento Anthropological Society Conference, California State University Sacramento, May 9, 2015.
 3. **McNeill, Patricia J. (2015)** *'Bird's Eye View' of the Past: Recreating an Archaeological Site Using Historical Maps and 3-D Modeling*
 - Paper presented at the 2015 Annual Meeting for the California Geographical Society, Humboldt State University, May 2, 2015.
 2. **McNeill, Patricia J. (2015)** *Focus on the Past: Photographs as Supplementary Data Points*
 - Paper presented at the 2015 Annual Meeting of the Society for California Archaeology, Redding, CA, March 15, 2015.
 - Paper presented at Cosumnes River College, Anthropology 323: Introduction to Archaeology, February 26, 2015.
 - Paper presented at Cosumnes River College, National Anthropology Day, February, 19 2015.
 1. **McNeill, Patricia J. (2014)** *Reflections of the Past: Developing Histories of Sacramento City Through Photographic Remains*
 - Poster presented at Sacramento Anthropological Society Conference. California State University Sacramento, April 4, 2014.
 - Poster presented at Cosumnes River College, April 2, 2014.

ACADEMIC SERVICE

Anthropology Graduate Student Association, U.C. Davis

- Outreach Coordinator, 2017-2018.

Anthropology Club at U.C. Davis

- Treasurer, 2016-2017.

Society for American Archaeology

- Volunteer Session Coordinator Annual Meeting, 2015, 2016, 2017.

Sacramento Historical Society

- Continued work on archaeological project in affiliation with Cosumnes River Archaeological Working Lab.

Cosumnes River College Anthropology Club

- Treasurer, 2014-2015.

Society for Anthropology in Community Colleges

- Solicited local businesses for discounts and promotions to be offered to members attending the Annual Conference in Hawaii.
- Arranged for the meals and snacks offered to members attending the conference.

CONFERENCES ATTENDED

Society for American Archaeology (SAA) March 2017

- Annual Meeting, Vancouver, BC

Society for California Archaeology (SCA) March 2017

- Annual Meeting, Fish Camp, CA

Western Bioarchaeology Group (WEBIG) Oct 2016

- Annual Meeting, Sonoma State University

Society for American Archaeology (SAA) April 2016

- Annual Meeting, Orlando, FL

Society for California Archaeology (SCA) March 2016

- Annual Meeting, Ontario, CA

The 12th Chico Forensic Conference Nov 2015

- Chico, CA

California Geographical Society (CGS) May 2015

- Annual Meeting. Humboldt State University, Arcata, CA

Sacramento Anthropological Society May 2015

- 38th Annual Conference. California State University Sacramento, CA

Society for American Archaeology (SAA) April 2015

- Annual Meeting. San Francisco, CA

Society for California Archaeology (SCA) March 2015

- Annual Meeting, Redding, CA

The 11th Chico Forensic Conference Nov 2014

- Chico, CA

Sacramento Anthropological Society April 2014

- 37th Annual Conference. California State University Sacramento, CA

The 10th Chico Forensic Conference Nov 2013

- Chico, CA

Los Rios Anthropology Expo Oct 2013

- American River College, Sacramento, CA

PROFESSIONAL AFFILIATIONS

- American Anthropological Association
- Society for California Archaeology
- Society for American Archaeology
- Sacramento Anthropological Society
- California Geographical Society
- Regent Scholar Society, University of California Davis
- University Honors Program, University of California Davis
- Phi Theta Kappa Honor Society