

## GINA M. BUCKLEY

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### EDUCATION

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[in progress] <i>Expected Fall 2020</i>	<b>Ph.D., Anthropology and Demography</b> , The Pennsylvania State University Dissertation: <i>What is a City but the People? A Comparative Analysis of Migration and Socioeconomic Status Groups in the La Ventilla and Tlajinga Districts of Teotihuacan (CE 200 – 550)</i> Chairs: K. Hirth and D. Kennett
2016	<b>M.A., with distinction, Anthropology and Demography</b> , The Pennsylvania State University
2013	Post-Baccalaureate, Anthropology, Northwestern University
2007	B.A., <i>magna cum laude</i> , Contemporary Media & Journalism University of South Dakota

### ACADEMIC APPOINTMENTS

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2019–20	Dumbarton Oaks Junior Fellowship in Pre-Columbian Studies, Washington, D.C.
2019	Pre-Doctoral Intern – Migration Isotope Research Scientist University of Missouri Research Reactor (MURR)
2018-19	Research Assistant, Teotihuacan Valley Collection Reorganization Project Dept. of Anthropology, Pennsylvania State University
2017-19	Research Assistant, Human Paleoecology and Isotope Geochemistry Laboratory Dept. of Anthropology, Pennsylvania State University
2017-19	Online Course Instructor, Dept. of Anthropology, Pennsylvania State University
2015	Research Assistant, Matson Museum of Anthropology, Pennsylvania State University
2014-17	Teaching Assistant, Dept. of Anthropology, Pennsylvania State University

### RESEARCH AND TEACHING INTERESTS

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Migration (ancient and modern), isotope geochemistry, radiocarbon dating, paleodemography, mortuary archaeology, Mesoamerican prehistory, rise of social complexity, urbanization, household economy, ethnic signaling, Caribbean archaeology, diasporas

### PUBLICATIONS

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#### *Peer-reviewed Publications*

in press DJ Kennett, KM Prufer, BJ Culleton, RJ George, M. Robinson, WR Trask, **GM Buckley**, E. Moes, EJ Kate, TK Harper, A. O'Donnell, E. Ray, EK Hill, A. Alsgaard, C. Merriman, C. Meredith, HJ Edgar, and S. Gutierrez. Isotopic evidence for early maize consumption in the Mesoamerican lowland tropics. *Science Advances*.

- 2019 R. Storey, **GM Buckley**, DJ Kennett. A glimpse of the people of Alitca: osteological and isotopic/radiocarbon analysis. *Ancient Mesoamerica* 30(2):355–368.  
doi: 10.1017/S0956536118000354
- 2019 DM Carballo, KG Hirth, D. Hernández Sariñana, **GM Buckley**, A. Mejía Ramón, and DJ Kennett. New research at Teotihuacan’s Tlajinga district: 2012–2015. *Ancient Mesoamerica* 30(1):95–113 doi:10.1017/S0956536118000159
- 2019 R. Storey, **GM Buckley**, DJ Kennett. Residential burial along the southern Street of the Dead: Skeletons and Isotopes. *Ancient Mesoamerica* 30(1):147–161  
doi: 10.1017/S0956536118000032
- 2013 SD Palumbo, L. Brodie, W. Locascio, **GM Buckley**, and F. Corrales Ulloa. Early social complexity in southern Costa Rica: new evidence from Bolas. *Antiquity Online* 87(337).

### **Working Papers**

- n.d. **GM Buckley**, R. Storey, FJ Longstaffe, DM Carballo, KG Hirth, V. Renson. New perspectives on migration into the Tlajinga district of Teotihuacan: a dual-isotope approach. *Latin American Antiquity* (submitted Feb. 2020)
- n.d. **GM Buckley**, S. Gomez, BJ Culleton, DJ Kennett. Bayesian <sup>14</sup>C analysis of two residential compounds in the La Ventilla district of Teotihuacan. *Radiocarbon* (working title)
- n.d. **GM Buckley**, DJ Kennett. For richer or poorer: paleodiet reconstruction of socioeconomic status groups from La Ventilla, Teotihuacan. *Archaeometry* (working title)
- n.d. **GM Buckley**, S. Seman, V. Renson. Migration into the heart of Teotihuacan: Foundational or Continuous?: a dual-isotope and radiocarbon dating study. *Journal of Archaeological Science* (working title)

### **RESEARCH GRANTS, FELLOWSHIPS, AND AWARDS**

- 2019–present National Science Foundation Doctoral Dissertation Research Improvement Grant  
*BCS – 1927690*
- 2019–20 Dumbarton Oaks Junior Fellowship, Pre-Columbian Studies, Washington D.C.: *A comparative analysis of migration and socioeconomic status groups in the La Ventilla District of Classic Period Teotihuacan.*
- 2019 William T. Sanders Graduate Award in Anthropology, Penn State
- 2018 Penn State Research and Graduate Studies Office Dissertation Support Fellowship
- 2018 Penn State Department of Anthropology Hill Post-Comprehensive Fellowship
- 2017 Penn State Energy and Environmental Sustainability Laboratories Green Award.
- 2017 Penn State Department of Anthropology Hill Pre-Comprehensive Fellowship
- 2016 Penn State Matson Museum of Anthropology Award
- 2015 Penn State Department of Anthropology Hill Graduate Training Fellowship
- 2015-20 Anthropology Department travel grants to attend professional meetings (x5)

### **ARCHAEOLOGICAL FIELD AND LABORATORY EXPERIENCE**

- 2017-present Co-Director, *Proyecto Inmigración a Través del Tiempo de Teotihuacan* (PITT).  
Co-PI: KG Hirth (Penn State). NSF BCS – 1927690.
- 2019 Research Laboratory Technician, *Yazoo Basin Shell Project*. PI: V. Renson (MURR)
- 2018 Field Archaeologist, *Bluefields Jamaica Archaeology Field School*. PI: M. Venter (Murray State University). Funded by the Cooperative Center for Study Abroad (CCSA).
- 2015-18 Research Laboratory Technician, Laboratory for Isotopes and Metals in the Environment (LIME), Dept. of Geosciences, Penn State

- 2015-18 Graduate Research Assistant and Laboratory Technician, Human Paleoecology and Isotope Geochemistry, Dept. of Anthropology, Penn State
- 2016-17 Field Excavation Supervisor, *Origins of Urbanization and State Formation: Investigations at the Plaza of the Columns Complex at Teotihuacan, Mexico*. PIs: DM Carballo (Boston University), N. Sugiyama (George Mason University), S. Sugiyama (Arizona State), W. Fash (Harvard), V. Ortega (INAH). NSF BSC-1522630
- 2016-17 Research Laboratory Technician, *The Altica Project, Mexico*. PIs: D. Nichols (Dartmouth), W. Stoner (University Arkansas).
- 2014-16 Field Excavation Supervisor/Research Laboratory Technician, *Proyecto Arquelógico Tlajinga Teotihuacan (PATT)*. PIs: DM Carballo (Boston University), KG Hirth (Penn State). NSF BCS-1321247.
- 2013 Field Crew/Student member, *Southern Costa Rica Archaeological Project (SCRAP)*. PIs: S. Palumbo, W. Locascio.

### PROFESSIONAL PRESENTATIONS (\*Invited)

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- 2020\* **GM Buckley**. Residential in-migration at Teotihuacan, Mexico: a comparison of mobility patterns between socioeconomic groups using strontium isotope analysis. Paper, to be presented at the Center for Ancient Studies graduate conference, University of Pennsylvania, Center for Ancient
- 2020 **GM Buckley**, EJ Kate, C. McGuire, L. Demars, M. Hernandez. Teaching Acceptance of Migrant Communities and Diversity through Archaeological and Anthropological Outreach. Paper, to be presented at the 85<sup>th</sup> annual meeting, Society for American Archaeology (SAA), Austin, TX.
- 2019 **GM Buckley**. What is a city, but the people? A comparative analysis of migration and socioeconomic status across Classic Period Teotihuacan, Mexico (CE 200 – 550). Paper, *Dumbarton Oaks Research Report*, Washington, D.C.
- 2019\* **GM Buckley**, S. Seman, and M. Gonzalez. An exploration of the strontium isotope baseline for Central Mexico. Poster, Department of Geosciences Colloquium, Penn State.
- 2019 **GM Buckley**, and S. Seman. For richer or poorer: a comparison of residential mobility patterns between socioeconomic groups at the La Ventilla District of Teotihuacan. Poster, 84<sup>th</sup> annual meeting, SAA, Albuquerque, NM.
- 2019 R. Storey and **GM Buckley**. The urban environment of a neighborhood in Teotihuacan, Mexico. Paper, 88<sup>th</sup> annual meeting, American Association of Physical Anthropologists (AAPA), Cleveland, OH.
- 2019 M. Hernandez, T. Lasisi, C. McGuire, E. Kate, **GM Buckley**. Anthropology Outreach Initiatives: How to Get Involved in the Local Community as a Graduate Student. Poster, 88<sup>th</sup> annual meeting, AAPA, Cleveland, OH.
- 2018 **GM Buckley**, DM Carballo, D. Sariñana Hernandez, KG Hirth, DJ Kennett. Bayesian <sup>14</sup>C Chronology of Tlajinga, Teotihuacan Compounds 17 & 18. Poster, 83<sup>nd</sup> annual meeting, SAA, Washington, D.C.
- 2018 DM Carballo, D. Sariñana Hernández, M. Codlin, **GM Buckley**, J. Ortiz Hernández. Activity areas and political economy at Teotihuacan's Plaza of the Columns: investigations in Front E. Paper, 83<sup>nd</sup> annual meeting, SAA, Washington, D.C.
- 2017\* R. Storey, **GM Buckley**, DJ Kennett. A glimpse of the people of Altica: osteological and isotopic/radiocarbon analysis. Paper, 82<sup>nd</sup> annual meeting, SAA, Vancouver, BC.
- 2016\* **GM Buckley**. R. Storey, KG Hirth, DJ Kennett, and BJ Culleton. Geological isotopes, migration and the Tlajinga district of Teotihuacan. Paper, 81<sup>st</sup> annual meeting, SAA, Orlando, FL.

- 2016\* D. Sariñana Hernández, **GM Buckley**, DM Carballo, DJ Kennett, and BJ Culleton. New research on ceramics and chronology from the Tlajinga district. Paper, 81<sup>st</sup> annual meeting, SAA, Orlando, FL.
- 2015\* **GM Buckley**. Noah's Ark: the temptation of the media. Paper, 80<sup>th</sup> annual meeting SAA, San Francisco, CA.

## TEACHING EXPERIENCE

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### **Instructor of Record (Penn State; \*online)**

Introduction to Anthropology\*

Introductory North American Archaeology\*

### **Teaching Assistant and Lab Instructor (Penn State)**

Old World Archaeology

Zooarchaeology (with lab)

### **Pedagogical Development**

2015 Penn State Graduate Teaching Certificate Program

## SERVICE

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- 2019-20 Gene S. Stewart Award Committee Chair, Society for American Archaeology (SAA)
- 2016-19 Gene S. Stewart Committee member, SAA
- 2019 Reviewer for *Journal of the American Society of Trace Evidence Examiners*
- 2018-19 SAA Website Redesign Committee
- 2017-18 Anthropology Graduate Student Association (AGSA) Vice President and Outreach Task Force leader
- 2016-17 AGSA Secretary and Co-Treasurer
- 2015-17 Media Relations Committee member, SAA
- 2015 Penn State Department of Anthropology Colloquium Committee Member
- 2014-15 Student Affairs Committee member for the Archaeological Institute of America
- 2015 Graduate student mentor for Jordan Chapman, McNair Scholar, Penn State

## PROFESSIONAL ASSOCIATIONS

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Society for American Archaeology (2013-present)

Anthropological Association of America (2014-2017)

Archaeological Institute of America (2013-2015)

National Collegiate Scholars (2005-2007)

## SKILLS

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### **Languages:**

- English (native speaker)
- Spanish (intermediate reading, writing, and speaking)

**Analysis:** Archaeological field methods (survey and excavation), burial excavation, household excavations, stable isotope and radiogenic isotope analysis of human and animal bone and tooth enamel (ultrafiltration, XAD, and column chemistry, operation of Neptune™ high-resolution multi-collector ICP-MS [MC-ICP-MS], Thermal ionization mass spectrometry [TIMS]), and Thermo X-Series

II Quadrupole ICP-MS, prepFast-MC™ column purification, radiocarbon preparation for bone and organic material, Fourier-transform infrared spectroscopy (FTIR)

**Software:** Oxcal calibration software, R statistical package, Adobe Creative Suite, Opus Spectroscopy, AutoCad, ArcGIS

## REFERENCES

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**Kenneth G. Hirth**

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Department of Anthropology  
The Pennsylvania State University  
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**Douglas J. Kennett**

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