

Katharine C. Woollen, MSc.

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EDUCATION

Master of Science, May 2019

- Anthropology, Illinois State University
- Thesis Title: Chilled to the Bone: An Analysis on the Effects of Cold Temperatures and Weather Conditions Altering the Decomposition Process in Pig Remains (*Sus scrofa*)

Bachelor of Science, May 2017

- Anthropology, Illinois State University
- Thesis Title: The Correlation Between Squatting Facets and Arthritic Changes of the Foot in the Schroeder Mounds Sample (11He177)

Study Abroad, Spring 2015

- Anthropology, Canterbury Christ Church University

CERTIFICATIONS

2022 -2023: Graduate Mentorship Certification (GMC)

2021-2022: Graduate Research Certification (GRC)

2019: Anthropology Geographic Information Systems (GIS) Certification

PROFESSIONAL EXPERIENCE

Mentorship Positions

2022 – Present: Research and Mentorship Program (RAMP), Anthropology, University of Nevada, Las Vegas.

Laboratory Positions

2022 – Present: Bioarchaeology and Forensic Collections Manager, University of Nevada, Las Vegas. Director(s): Dr. Jennifer F. Byrnes and Dr. Debra Martin. Duties include organization of lab spaces, keeping an updated inventory of supplies, materials, and documents, ensuring these are available for reference of research/instruction; assisting in locating appropriate specimens for instructional or research use; and keeping an updated inventory of loaned items and/or reference materials.

2020 – Present: Forensic and Biological Laboratory (FAB Lab) Assistant, University of

Nevada, Las Vegas. Director: Dr. Jennifer F. Byrnes. Assist on forensic anthropology case work for the Clark County Office of the Coroner/Medical Examiner (CCOCME). Duties include estimation of a biological profile, trauma/pathology analysis, and consultation.

2018: Professional Practice in Anthropology, Illinois State Museum, Springfield, IL. Director: Dr. Maria O. Smith. Assisted on the examination of human skeletal remains from Albany Mounds and Kuhlman Mounds. Duties included assessing remains for squatting facets and metatarsophalangeal facets to the tibio-talar joint and metatarsals.

Other

2021 – 2022: Grant Funded Graduate Research Assistant, University of Nevada, Las Vegas. Director: Dr. Jennifer F. Byrnes, working under the Faculty Opportunity Award (FOA) titled, *Reliability and Validity of Radiographic Comparisons for Positive Identification*. Duties included collection of antemortem/postmortem radiographs at the CCOCME, anonymizing and classifying radiographs, training undergraduates, and assisting in the testing of a radiographic comparison computer program.

2021: Internship. CCOCME. Duties include assisting on daily intake and medical examination of decedents. This includes fingerprinting, drawing peripheral and vitreous fluid, assisting with autopsy's, x-raying bodies, and assisting with external examinations.

2017 - 2019: Graduate Research Assistant, Illinois State University. Director: Maria O. Smith. Assisted on the organization, categorization, and analysis of the Schroeder Mounds (11He177) human skeletal remains before being returned to the Illinois State Museum for eventual repatriation.

2017 – 2019: Zooarchaeology Assistant, Illinois State University. Director: Dr. Abigail Chipps Stone. Assisted with cataloguing and organizing faunal skeletal remains. Duties included identification, organization, and labeling of faunal remains.

TEACHING EXPERIENCE

Areas of Specialization

- Bioarchaeology
- Paleopathology
- Forensic Anthropology
- Comparative Osteology
- Social Theory

Courses Taught at the University of Nevada, Las Vegas

- Introduction to Biological Anthropology Laboratory (ANTH 110L) (Remote Instruction)

Summer Courses Taught at the University of Nevada, Las Vegas

- Introduction to Biological Anthropology Laboratory (ANTH 110L) (Remote Instruction)

Courses Assisted with as a Graduate Teaching Assistant at the University of Nevada, Las Vegas

- Introduction to Physical Anthropology (ANTH 102)
- Bones, Bodies, and Trauma: Forensic Studies in Anthropology (ANTH 365)
- Human Osteology (ANTH 462/662)

Courses Taught at Illinois State University

- Paleopathology Laboratory (ANTH 102)

Courses Assisted with as a Graduate Teaching Assistant at Illinois State University

- Paleoanthropology (ANTH 350)
- Human Origins (ANTH 102)
- Human Paleopathology (ANTH 372)

PUBLICATIONS

Journal Articles & Book Chapters

(PR) = Peer Reviewed

- 2022 (PR): Byrnes, JF, Belcher, WR, and **KC Woollen**. A Social Autopsy of Honolulu, Hawai'i: Forensic Anthropology Case Files as an Archive of Marginalization. In *The Marginalized in Death: A Forensic Anthropology of Intersectional Identity in the Modern Era*, edited by JF Byrnes and I Sandoval-Cervantes. Lexington Books.
- 2020 (PR): Smith, MO., and **KC Woollen**. Tibiotalar and Metatarsophalangeal Squatting Facets in Late Woodland period Context in West-Central Illinois. *Bioarchaeology International* 4(1): 57-74.
- 2017 (PR): **Woollen, KC.**, and MO Smith. Adult Foot and Ankle Trauma at Schroeder Mounds (11He177): A Late Woodland Period Site in Illinois. *Field Notes: A Journal of Collegiate Anthropology* 9(1): 32-52.

Manuscripts in Progress

- In Progress: Gaddis, K., **KC Woollen**, LJ Johnson, JF Byrnes. A Structural Vulnerability Approach to Older Adult Suicides (2017-2021): Trends and Potential Impacts of the COVID-19 Pandemic. Applying a Structural Vulnerability Framework to Forensic Anthropology, Special Issue on the SVP, edited by J Kim, A Winburn, and M Moore.
- In Progress: Byrnes, JF., LJ Johnson, D Lopez, T Flaherty, **KC Woollen**, K Gaddis, S Horsley. Exploratory use of the Skeletal Frailty Indices to Build a Structural Vulnerability Profile: A Meta-Analysis of Forensic Anthropology Cases from Clark County, NV. Special Issue on the SVP, edited by J Kim, A Winburn, and M Moore.
- In Progress: KC Woollen, JF Byrnes. Animal Scavenging Patterns to Human Remains in Southern Nevada. *Journal of Forensic Sciences*.

FIELD EXPERIENCE

- 2019: Archaeological Field Technician, Center for American Archaeology (CAA). Director: Kenzie May. Assisted with the continued excavation of a habitation site at the Kampsville, IL Lock and Dam. Duties included excavation, screening, and mapping.
- 2019: Core Principles and Practices in Forensic Anthropology, Mercyhurst University. Director: Dr. Dennis Dirkmaat. Duties included assisting with the recovery of human remains for an active crime scene. Mapping using Total Station, R8, detail drawings, as well as excavating, photographic, and cataloguing of human remains were all conducted.
- 2019: Animal Hoarding/Mass Grave Excavation and Examination. Director: Dr. Abigail Chipps Stone. Assisted with the excavation and examination of roughly 300 faunal remains from a mass burial site. Duties included identifying species types, estimating age, cataloguing remains, and estimating approximate postmortem interval.
- 2017: Forensic Field Study and Excavation, Eureka College. Director: Dr. William Lally. Assisted in the excavation and examination of human skeletal remains from a burial site. Duties included estimating cause of death, and determining approximate age, sex, ancestry and approximate postmortem interval.

PROFESSIONAL MEETING PRESENTATIONS

International and National Meetings

§ Includes student author/trainee

- § 2023: **Woollen, KC.**, CN White, and JF Byrnes. Anatomization and Medicalization of Subadult Remains from the Milwaukee County Poor Farm Cemetery (1882-1925). Poster presentation at the 50th annual Paleopathology Association conference, Reno, NV.
- 2023: Edmonds, ER., KD Stansbury, JC Freiburger, **KC Woollen**, K Gaddis, JF Byrnes. Two Case Studies of Subadult Cranial Pathology from Durango, Mexico. Poster presentation at the 50th annual Paleopathology Association conference, Reno, NV.
- § 2023: **Woollen KC.**, CN White, and JF Byrnes. A Social Autopsy of Maternal and Fetal Mortality Rates from the Milwaukee County Poor Farm Cemetery (1882-1925). Poster presentation at the 92nd annual American Association of Biological Anthropology conference, Reno, NV
- 2023: **Woollen KC**, JF Byrnes. Applying a Social Autopsy Theoretical Framework to Bioarchaeological Analyses. Podium presentation at the 88th annual Society of American Archaeology conference, Portland, OR.
- 2022: **Woollen, KC.**, JF Byrnes, K Gaddis, J Phillips, J Sirriani. Tibial Subperiosteal New Bone Formation: A Comparative Analysis of Two Western New York State Poorhouses. Poster presentation at the 91st annual American Association of Biological Anthropology, Denver, CO.

- 2022: **Woollen, KC.**, JF Byrnes. A retrospective analysis of scavenging in southern Nevada forensic anthropology cases (2000-2021). Poster presentation at the 74th annual American Academy of Forensic Science, Seattle, WA.
- 2021: **Woollen, KC.** An Analysis of Clothed Pig Proxies (*Sus scrofa*) when Cold Temperatures are Present in Central Illinois. Poster presentation at the 73rd annual American Academy of Forensic Sciences, Online Meeting.
- 2019: **Woollen, KC.** Out in the Cold: How Cold Temperatures and Weather Condition Influence the Rate of Decomposition in Pig Proxies (*Sus scrofa*). Poster presentation at the 88th annual American Association of Physical Anthropologist, Cleveland, OH.

Regional Meetings

§ Includes student author/trainee

- §2022: White, CN., **KC Woollen**, JF Byrnes. A Social Autopsy of Maternal and Fetal Mortality Rates from the Milwaukee County Poor Farm Cemetery (1882-1925). Poster presentation at the Office of Undergraduate Research Symposium, Las Vegas, NV.
- 2022: Johnson, LJ., JF Byrnes, **KC Woollen**. Unclaimed Persons: Becoming Object and their Distinction from Unidentified Persons. Podium presentation at the University of Central Florida Broken and Whole conference, Online Meeting.
- 2022: Stansbury, KD. E Edmonds, JC Freiberger, K Gaddis, and **KC Woollen**. Reanalysis of sub-adult remains from Durango, Mexico: The future of osteobiographies applied to infants. Poster Presentation at the Western Bioarchaeology Group (WeBIG) Meeting, Riverside, CA.
- 2022: Johnson, L, T Flaherty, D Lopez, **KC. Woollen**, K Gaddis, & JF Byrnes. Blackjack! The UNLV FAB Lab's 21 Forensic Anthropology Cases. Paper presentation at the 40th Mountain, Desert, & Coastal Forensic Anthropology Meeting, Las Vegas, NV.
- 2022: **Woollen, KC.** A retrospective analysis of scavenging in southern Nevada forensic anthropology cases (2000-2021). Poster presentation at the Graduate and Professional Student Association Research Forum, Las Vegas, Nevada.
- 2021: **Woollen, KC.** Infant health from the Milwaukee County Poor Farm Cemetery (MCPFC): A preliminary analysis. Paper presentation at the Three Minute Thesis Competition at the University of Las Vegas, Nevada.
- 2021: **Woollen, KC.** An analysis of clothed pig proxies (*Sus scrofa*) when cold temperatures are present in central Illinois. Poster Presentation at the Graduate and Professional Student Association Research Forum, Las Vegas, Nevada.
- 2019: **Woollen, KC.** Features of decompositions of buried partial pig specimens during the winter months (January-May) in central Illinois. Paper presentation at the 26th Midwest Bioarchaeology & Forensic Anthropology Associations, Allendale, MI.

- 2018: **Woollen, KC.**, & Maria O. Smith. Foot and ankle squatting facets in the Late Woodland period osteological sample from the Schroeder Mounds (11He177) site. Poster presentation at the Midwest Archaeological Conference, South Bend, IN.
- 2017: **Woollen, KC.**, & Maria O. Smith. Tibio-talar squatting facets and pedal arthritis in a pre-Columbian osteological sample from west-central Illinois. Paper presentation at the 24th annual meeting of the Midwest Bioarchaeology & Forensic Anthropology Association, Milwaukee, WI.

INVITED LECTURES

- 2022: “Forensic Taphonomy.” University of Nevada, Las Vegas, Department of Anthropology. Forensic Studies in Anthropology.
- 2019: “An Analysis of Superfund Sites in Illinois using GIS: Is there Environmental Racism?” Illinois State University, Eco-Justice (CJS 103).

WORKSHOPS & ADDITIONAL TRAINING

- 2022: Accessible Syllabus Training
- 2022: OUR: Best Undergraduate Research Mentee Practices
- 2022: Effectively Communicating your Research, Creative, and Scholarly Work
- 2021: Teaching In-Person Strategies; Teaching Logistics: Planning and Managing a Class Using Active Learning in Your Class; Tips & Tricks from Graduate Teaching Assistants; Assessing Student Learning.
- 2021: Online Teaching Essentials Course
- 2020: New Mexico Decedents Image Database Training. Overview of Accessing the NMDID and Searching, Accessing and Utilizing Metadata from NMDID; Opening and Viewing NMDID Image Data; Taking 3D Measurements with NMDID Images.

AWARDS & SCHOLARSHIPS

- 2022: Edwards and Olswang Graduate Research Scholarship: \$710. Department of Anthropology, University of Nevada, Las Vegas.
- 2022: Lambda Alpha Graduate Research Grant: \$2,000. Lambda Alpha National Honors Society, University of Nevada, Las Vegas.
- 2022: Research Travel Funding Award: \$680. Graduate & Professional Student Association, University of Nevada, Las Vegas.
- 2022: Conference Travel Funding Award: \$500. Graduate & Professional Student Association, University of Nevada, Las Vegas.
- 2022: Graduate and Professional Student Association Outstanding Presentation Recipient- Podium Presentation: \$500.
- 2021: Graduate and Professional Student Association Outstanding Presentation Recipient- Podium Presentation: \$350.

2020-Present: Graduate Teaching Assistantship, Department of Anthropology, University of Nevada, Las Vegas.

2017-2019: Graduate Teaching and Research Assistantship, Department of Sociology and Anthropology, Illinois State University.

2015: Department of Sociology and Anthropology Travel Abroad Scholarship: \$1,000. Department of Sociology and Anthropology, Illinois State University.

2013-2014: Illinois State University Administrative and Professional Scholarship: \$1,000.

2015-2016: Illinois State University Administrative and Professional Scholarship: \$1,000.

2016-2017: Illinois State University Administrative and Professional Scholarship: \$1,000.

ACADEMIC HONORS AND AWARDS

2017-2018: Scott Elliot Endowment for Sociology and Anthropology.

2018-2018: Scott Elliot Endowment for Sociology and Anthropology.

2017: Department of Sociology and Anthropology, Best Undergraduate Thesis Award, Illinois State University.

2013-2017: Illinois State University Honors Program.

UNLV UNDERGRADUATE MENTORSHIP

2022-2023: Cole N. White: UNLV Research and Mentorship Program (RAMP).

UNLV SERVICE EXPERIENCE

2021-Present: Lambda Alpha Social Media Coordinator. University of Nevada, Las Vegas.

2021: Conference Volunteer. University of Nevada, Las Vegas, Graduate and Professional Student Association Research Forum.

PROFESSIONAL & SCHOLARLY SOCIETY MEMBERSHIP

- American Association of Biological Anthropologists
- Paleopathology Association
- American Academy of Forensic Sciences, Student Member, Anthropology Section
- Society of American Archaeologists
- *Lambda Alpha* National Honor Society