

Christopher J. Eck, Jr., M.S.

Year of Birth: 1989

383 Lower Polecat Rd. Howard, PA 16841 (Permanent Address)

chriseck141@icloud.com---1.570.367.0255

Education

- 2017-Present** Ph.D. Candidate Applied Anthropology
Department of Anthropology
University of South Florida
- 2015-2017** M.S. Forensic Anthropology
Dept. of Anatomy and Neurobiology
Boston University School of Medicine (BUSM)
- Thesis – *Using Oxygen Isotope Analysis and a Multi-Isotopic Approach in Determining Region of Origin of Human Remains*
- 2012-2015** B.A. Anthropology
The Pennsylvania State University
- 2016** A.A.S. Human Resource Management
Community College of the Air Force

Anthropological Specialization

Areas of expertise include: human osteology within forensic and biological anthropology. Research interests include: Isotopic Proveniencing, Paleodiet Reconstruction, Archaeological Chemistry, Skeletal Sex Estimation, Disaster and Humanitarian Relief, Human Skeletal Evolution, Human Population Health and Disease. Mediterranean Europe, Northern Africa and Northern South America.

Teaching Experience

- 2017** Graduate Teaching Assistant - Seminar; Forensic Anthropology. BU Biological Anthropology Program. Supervisor: Dr. Sean Tallman (January – May)
- Lead laboratory sessions, held formal office hours and lectured on various topics relating to the biological profile
- 2016** Graduate Teaching Assistant - Advanced Osteology. BU Forensic Anthropology Program. Supervisor: Dr. Sean Tallman (September-December)
- Advised first-year graduate students on experimental design, thesis proposal development, and professional presentation skills.

Field and Laboratory Experience

- 2016** Forensic Anthropology Intern - Office of the Chief Medical Examiner. Commonwealth of Massachusetts. Boston, MA. Supervisor: Dr. James Pokines (Jul – Aug)
- Assisted in the documentation, analysis and inventory of forensic anthropology cases
- 2015** Workshop Participant – ArchaeoTek Transylvanian Juvenile Osteology Research Workshop. Instructor: Dr. Jonathan Bethard (Jul)
- Gained experience analyzing juvenile human osteological remains from a bioarchaeological context
 - Aided in the initial analysis of recovered human remains from the Lost Churches Project

Laboratory Technician – Penn State Human Paleoecology and Isotope Geochemistry Laboratory. Supervisor: Dr. Douglas Kennett (Aug 2014 – May 2015)

- Prepared non-human bone and recovered material culture artifacts for radiocarbon dating or Isotopic Ratio Mass Spectrometry

2014 Field School Participant – Tel Akko Total Archaeology Field School, Israel. Supervisors: Dr. Ann Killebrew, Dr. Michal Artzy and Dr. Justin Lev-Tov (Jun 2014 – Aug 2014)

- Learned excavation, preservation and conservation techniques of contemporary archaeological sites
- Analyzed and compiled comprehensive reports on excavated zooarchaeological remains

Laboratory Technician – Penn State Zooarchaeology Laboratory. Supervisors: Dr. Sarah McClure and Dr. Christopher Jazwa (Jan 2014 – May 2014)

- Sorted shellfish midden remains from fragmentary microfaunal remains recovered from the California Channel Islands

Military Experience

2017 Staff Sergeant – Pennsylvania Air National Guard, 111th Attack Wing. Supervisor: SMSgt Lauren Paul (June 2012 – Present)

- Personnel technician responsible for FSS workflow, awards and decorations, production of military identifications, and Air Guard personnel records management functions

2012 Staff Sergeant – Pennsylvania Air National Guard, 193d Special Operations Wing. Supervisor: Lt Col Amy Crossley (Oct 2012 – May 2017)

- Personnel technician responsible for wing staff file plan, awards and decorations, annual total force and unit training, time and attendance, and commander support staff functions

2009 Airman – United States Air Force, 11th Wing. Supervisor: MSgt Joseph Koester (Jun 2009 – Oct 2012)

- Served in the Installation Personnel Readiness Deployment Cell as the singular liaison to the Pentagon for creating Contingency, Exercise, and Deployment orders, maintaining the in-garrison PERSCO team, and briefing Readiness Day deploying members
- Site Security Manager for the Customer Service Section of the Military Personnel Flight, responsible for troubleshooting equipment and software problems with DMDC, and ensuring the security of all personally identifiable customer information in the section

Papers and Publications

2017 James Pokines, Nicollette Appel, Lindsey Cadwell, **Christopher Eck, Jr.**, Amberlee Joseph, Amanda Maki, Corey Pollock, and Christina Young. *Anatomical Taphonomy at the Source: Alterations to a Sample of 84 Teaching Skulls at a Medical School*. Journal of Forensic Identification (In Review).

James Pokines, **Christopher Eck, Jr.**, and Megan Sharpe. *Sources of Skeletal Remains at a Chief Medical Examiners Office: Boston, Who finds Bones?* Journal of Forensic Identification, 67(2) 2017: 278-99.

Presentations and Posters

2017 James Pokines, Nicollette Appel, Lindsey Cadwell, **Christopher Eck, Jr.**, Amberlee Joseph, Amanda Maki, Corey Pollock, and Christina Young. *Anatomical Taphonomy at the Source: Alterations to a Sample of 84 Teaching Skulls at a Medical School*. Presented at the John McCahan Medical Campus Education Day, Boston University School of Medicine, Boston, Massachusetts.

2015 **Christopher Eck, Jr.**, Anna E. Getler. *An Example of a Physiological Stress Event Using Linear Enamel Hypoplasia and the Delay of Cervical Vertebrae Maturation*. Presented at The Third

Forensic Case Work

Assisted with over 15 human forensic anthropological case analyses in a medicolegal setting. The case work included tissue processing, biological profile establishment, peer-review, case file cataloging, laboratory bench notes production and laboratory case report generation.

Honors and Awards (selected)

2015	Airman Leadership School Graduate
2012-2015	Dean's List selectee, The Pennsylvania State University
2009-2012	Air Force Achievement Medal
2011	Personnel Deployment Technical School Distinguished Graduate
2009	Personnel Technician Technical School Distinguished Graduate

Professional Memberships

American Academy of Forensic Science	Student Affiliate of the Anthropology Section
American Association of Physical Anthropologists	Member
American Anthropological Association	Member
Archaeological Institute of America	Member
Penn State Alumni Association	Member
Society for American Archaeology	Member

Skills and Capabilities

Languages French (Intermediate Proficiency)

Proficiencies Excavation and survey experience, site mapping with total station (Leica TS02), and data logger (Nomad using *Survey Pro* 5.2), burial excavation, osteological analysis including aging, sex, stature, ancestry, taphonomy, trauma, and common pathologies, basic laboratory skills including fine-fraction sorting, faunal analysis, Microsoft Office (including Access and Excel), Garmin GPS, 3D scanner, DSLR camera (Nikon D3300), material preparation and isotopic analysis

References

Dr. Jonathan Bethard	Assistant Professor, University of South Florida jbethard@usf.edu
Dr. Tara Moore	Program Director, BUSM-Forensic Anthropology Program tlmoore@bu.edu
Dr. Nina Jablonski	Evan Pugh University Professor of Anthropology ngj2@psu.edu
Dr. Timothy Ryan	Associate Professor of Anthropology and Information Sciences and Technology tmr21@psu.edu
Lt. Col Amy Crossley	Wing Executive Officer, 193d Special Operations Wing amy.l.crossley.mail@mail.mil