

Joseph T. Hefner, PhD, D-ABFA

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EDUCATION

- 2007 Ph.D. in biological anthropology, The University of Florida, Gainesville, FL. Dissertation title: *The Statistical Determination of Ancestry Using Cranial Nonmetric Traits*.
- 2003 M.A. in anthropology, The University of Florida, Gainesville, FL. Thesis title: *Assessing Nonmetric Cranial Traits Currently Used in the Forensic Determination of Ancestry*.
- 1999 Post-baccalaureate in Forensic Anthropology. Mercyhurst College, Erie, PA.
- 1997 B.S. in anthropology, Western Carolina University, Cullowhee, NC. Minor: *History*.

PROFESSIONAL POSITIONS AND AFFILIATIONS

Forensic Anthropologist, JPAC, Central Identification Laboratory, Hawaii, June 2010 to present
Diplomate-American Board of Forensic Anthropologists, 2012 to present
PCOME Research Review Board, September 2012 to present
ORISE Mentor, JPAC, Central Identification Laboratory, Hawaii, 2012 to present
Assessor, ASCLD/LAB International, 2011 to present
RPA (#989390), Register of Professional Archaeologists, September 2011 to present
American Academy of Forensic Science, Member, 2000 to present
American Association of Anatomists, Member, 2012 to present
Forensic Anthropologist (contract), Pima County Medical Examiner's Office, 2010
Principal Investigator, Statistical Research Inc., Tucson, AZ, May 2008 to May 2010
Adjunct Faculty, Department of Anthropology, Mercyhurst College, Erie, PA, 2007-2008
Adjunct Faculty, Department of Anthropology, University of Pittsburgh at Titusville, 2007-2008
Research Associate, Department of Human Biology, University of Indianapolis, IN, 2006
Assistant Coordinator, Forensic Anthropology Center, University of Tennessee, 2005
Adjunct Faculty, Honors College, University of Florida, Gainesville, FL, 2005
Research Assistant, C. A. Pound Human Identification Laboratory, Gainesville, FL, 2003-2005
Research Associate, Osteology Laboratory, MAI, PA, 2002 to present

RESEARCH INTERESTS

Human Variation, Human Anatomy, Ancestry, Nonmetric Traits, Skeletal Biology, Forensic Anthropology, Quantitative Methods, Human Osteology; Human Anatomy, Nonparametric Statistics, Morphoscopic Trait Analysis, Categorical Data Analysis, Classification Statistics

HONORS, AWARDS, AND GRANTS

- 2011 Ellis R. Kerley Award.
2006 The William R. Maples Dissertation Fellowship. The Department of Anthropology, University of Florida, Gainesville, FL.
2004 Acorn Grant—*Fourier Analysis of the Post-bregmatic Depression*. Forensic Science Foundation, American Academy of Forensic Sciences.
2004 Emerging Forensic Scientist Award—56th Annual AAFS Meetings, Dallas, TX.
2003 J. Lawrence Angel Award recipient—55th Annual AAFS Meetings, Chicago, IL.
2002 Lucas Research Grant—*Nonmetric Cranial Traits used in the Forensic Determination of Ancestry*. Forensic Science Foundation, American Academy of Forensic Sciences.

COURSES

- FRSC 300 Environmental Evidence, Mercyhurst College, Spring 2008
ANTH 570 Recovery of Physical Evidence, Mercyhurst College, Spring 2008
ANTH 1602 Human Skeletal Analysis, University of Pittsburg at Titusville, Spring 2008
ANTH 560 Pathology of the Human Skeleton, Mercyhurst College, Winter 2007
ANTH250 Zooarchaeology, Mercyhurst College, Winter 2007
ANTH0680 Introduction to Physical Anthropology, Fall 2008
ANTH520 Human Skeletal Biology I, Mercyhurst College, Fall 2007
ANTHR560 Special Topics: Forensic Archaeology, Mercyhurst College, Fall 2007
ANT 3930 Introduction to Forensic Science, University of Florida, Spring 2005
ANT2410 Introduction to Cultural Anthropology, Teaching Assistant, 2004
ANG5525 Human Osteology and Osteometry, University of Florida, 2003-04

PUBLICATIONS

- In prep* Morphoscopic trait expression within and among Hispanic populations. JT Hefner, CJ Black, BE Anderson. To be submitted to the Journal of Forensic Sciences.
In press The use of tooth crown measurements in the assessment of ancestry. M Pilloud, J. Hefner, T Hanihara, A Hyashi. *Accepted, Journal of Forensic Science*.
2014 *Congenital Os Odontoideum: An Unusual Constellation of Skeletal Features in an Osteological Specimen from Thailand*. R.W. Mann, P. Tuamsuk, J.T. Hefner. *Accepted, International Journal of Paleopathology*.
2014 *Statistical Classification Methods for Estimating Ancestry using Morphoscopic Traits*. Joseph T. Hefner and Stephen D. Ousley. *Accepted, Journal of Forensic Science*.
2014 *Random Forest Modeling and Ancestry Estimation*. Joseph T. Hefner, M. Kate Spradley and Bruce Anderson. *Accepted Journal of Forensic Science*.
2014 Cranial Morphoscopic Traits and the Assessment of American Black, American White, and Hispanic Ancestry, Joseph T. Hefner. In, *Biological Affinity in Forensic Identification of Human Skeletal Remains: Beyond Black and White*. Edited by Sabrina Ta'ala and Gregory Berg. Taylor & Francis Group, LLC; Boca Raton, FL
2013 Book review: A bioarchaeological study of medieval burials on the site of St Mary Spital: Excavations at Spitalfields Market, London E1, 1991-2007. *Historical Archaeology*, 47(2):146–147.

PUBLICATIONS (cont)

- 2013 Ancestry Estimation. Elizabeth DiGangi and Joseph T. Hefner. In, *Research Methods in Skeletal Biology*, edited by Megan K. Moore and Elizabeth A. DiGangi. Academic Press: New York, NY. Pp. 117-150.
- 2012 Cultural Affinity, Identity, and Relatedness: Distinguishing Individuals and Cultural Groups, Lynne Goldstein, Joseph T. Hefner, Kristin J. Sewell, and Michael P. Heilen. In *Uncovering Identity in Mortuary Analysis: Community-Sensitive Methods for Identifying Group Affiliation in Historical Cemeteries*, edited by Michael P. Heilen, 23-52. Walnut Creek, CA: Left Coast Press, Inc. and Tucson, AZ: SRI Press.
- 2012 Life, Death, and Dying in Southeastern Arizona, 1860-1880: Historical Accounts and Bioarchaeological Evidence, Michael P. Heilen, Joseph T. Hefner, and Mitchell A. Keur. In *Uncovering Identity in Mortuary Analysis: Community-Sensitive Methods for Identifying Group Affiliation in Historical Cemeteries*, edited by Michael P. Heilen, 105-164. Walnut Creek, CA: Left Coast Press, Inc. and Tucson, AZ: SRI Press.
- 2012 Mortuary Synthesis, Lynne Goldstein, Kristen Sewell, Michael P. Heilen, and Joseph T. Hefner. In *Uncovering Identity in Mortuary Analysis: Community-Sensitive Methods for Identifying Group Affiliation in Historical Cemeteries*, edited by Michael P. Heilen, 185-250. Walnut Creek, CA: Left Coast Press, Inc. and Tucson, AZ: SRI Press.
- 2012 Bioarchaeology of the Alameda-Stone Cemetery, Joseph T. Hefner, Michael P. Heilen, and Mitchell A. Keur. In *The History, Archaeology, and Skeletal Biology of the Alameda-Stone Cemetery*, edited by Michael P. Heilen, Joseph T. Hefner, Mitchell A. Keur, pp. 399-458. *Deathways and Lifeways in the American Southwest: Tucson's Historic Alameda-Stone Cemetery and the Transformation of a Remote Outpost into an Urban City*, vol. 2, Michael P. Heilen and Marlessa Gray, series editors. Technical Report 10-96. Statistical Research, Tucson.
- 2012a Cultural Affinity Statement, Joseph T. Hefner, Michael P. Heilen, and Kristin J. Sewell. In *Context and Synthesis from the Joint Courts Complex Archaeological Project, Tucson, Arizona*, edited by Michael P. Heilen and Marlessa A. Gray, Appendix D (CD-ROM). *Deathways and Lifeways in the American Southwest: Tucson's Historic Alameda-Stone Cemetery and the Transformation of a Remote Outpost into an Urban City*, vol. 1, Michael P. Heilen and Marlessa Gray, series editors. Technical Report 10-95. Statistical Research, Tucson.
- 2012b Cultural Affinity Plan, Joseph T. Hefner, Michael P. Heilen, and Kristin J. Sewell. In *Context and Synthesis from the Joint Courts Complex Archaeological Project, Tucson, Arizona*, edited by Michael P. Heilen and Marlessa A. Gray, Appendix D (CD-ROM). *Deathways and Lifeways in the American Southwest: Tucson's Historic Alameda-Stone Cemetery and the Transformation of a Remote Outpost into an Urban City*, vol. 2, Michael P. Heilen and Marlessa Gray, series editors. Technical Report 10-95. Statistical Research, Tucson.
- 2012a Military Identification Plan, Michael P. Heilen, Joseph T. Hefner, Kristin J. Sewell, and Mitchell A. Keur. In *Context and Synthesis from the Joint Courts Complex Archaeological Project, Tucson, Arizona*, edited by Michael P. Heilen and Marlessa A. Gray, Appendix D (CD-ROM). *Deathways and Lifeways in the American Southwest: Tucson's Historic Alameda-Stone Cemetery and the Transformation of a Remote Outpost into an Urban City*, vol. 2, Michael P. Heilen and Marlessa Gray, series editors. Technical Report 10-95. Statistical Research, Tucson.

PUBLICATIONS (cont)

- 2012b Military Identification Statement, Michael P. Heilen, Joseph T. Hefner, Kristin J. Sewell, and Mitchell A. Keur. In *Context and Synthesis from the Joint Courts Complex Archaeological Project, Tucson, Arizona*, edited by Michael P. Heilen and Marlessa A. Gray, Appendix D (CD-ROM). Deathways and Lifeways in the American Southwest: Tucson's Historic Alameda-Stone Cemetery and the Transformation of a Remote Outpost into an Urban City, vol. 2, Michael P. Heilen and Marlessa Gray, series editors. Technical Report 10-95. Statistical Research, Tucson.
- 2012 *The History, Archaeology, and Skeletal Biology of the Alameda-Stone Cemetery. Volume II*. Edited by Michael Heilen, Joseph T. Hefner, and Mitchell A. Keur. Deathways and Lifeways in the American Southwest: Tucson's Historic Alameda-Stone Cemetery and the Transformation of a Remote Outpost into an Urban City, vol. 2, Michael P. Heilen and Marlessa Gray, series editors. Technical Report 10-95. Statistical Research, Tucson.
- 2012 Morphoscopic Traits and the Assessment of Ancestry. Joseph T. Hefner, Dennis C. Dirkmaat, and Stephen D. Ousley. In, *A Companion to Forensic Anthropology*, edited by Dennis C. Dirkmaat. Wiley-Blackwell: Malden, MA. Pp. 287-310.
- 2011 Macromorphoscopies. Joseph T. Hefner. Osteoware™ Software Manual, Volume I. Edited by CA Wilczak and JC Dudar. Smithsonian Institution, Washington, DC.
- 2010 *Human Skeletal Remains from the Joint Courts Complex Archaeological Data Recovery Project*. Joseph T. Hefner and Mitchell A. Keur (editors). In, *Skeletal Biology of the Alameda-Stone Cemetery. Volume II*. Edited by, Joseph T. Hefner, Mitchell A. Keur, and Michael Heilen. Contract No. 07-73-S138479-0806. Statistical Research, Inc. Technical Series, No. 10-04, pp. 1.1-1.8.
- 2010 *Biological Distance and Geospatial Analysis*. Joseph T. Hefner. In, *Skeletal Biology of the Alameda-Stone Cemetery. Volume II*. Edited by, Joseph T. Hefner, Mitchell A. Keur, and Michael Heilen. Statistical Research, Inc. Technical Series, No. 10-04, pp. 4.1-4.23.
- 2010 Conclusions: Skeletal Biology of the Alameda-Stone Cemetery Interments. Michael Heilen, Joseph T. Hefner, Mitchell A. Keur, Amber Harrison, Tamara Leher, and Patrick Stanton. In, *Skeletal Biology of the Alameda-Stone Cemetery. Volume II*. Edited by, Joseph T. Hefner, Mitchell A. Keur, and Michael Heilen. Contract No. 07-73-S138479-0806. Statistical Research, Inc. Technical Series, No. 10-04, pp. 1.1-1.8. *Draft submitted to client*
- 2010 Goldstein, Lynne, Kristin J. Sewell, Michael Heilen, and Joseph T. Hefner "Mortuary Synthesis" (Chap. 9), in *Deathways and Lifeways in the American Southwest, Volume 1* (M Heilen and M Gray, eds.). Statistical Research, Inc., Technical Report 10-95, Tucson, AZ; pp. 143-155
- 2010 Goldstein, Lynne, Joseph T. Hefner, Kristin J. Sewell, and Michael Heilen. "Cultural Affinity, Identity, and Relatedness: Distinguishing Individuals and Cultural Groups in the Alameda-Stone Cemetery" (Chap. 6), in *Deathways and Lifeways in the American Southwest, Volume 1* (M Heilen and M Gray, eds.). Statistical Research, Inc., Technical Report 10-95, Tucson, AZ; pp. 143-155.
- 2009 *Nonmetric Cranial Traits: New Approaches for the Determination of Ancestry*. Joseph T. Hefner. *J Forensic Sci*, 54(5) 985-995.
- 2009 Book review: Comparative Skeletal Anatomy: A Photographic Atlas for Medical Examiners, Coroners, Forensic Anthropologists, and Archaeologists. *American Journal of Physical Anthropology* 139(3): 445-446.

PUBLICATIONS (cont)

- 2008 *Cultural Affinity Assessment of the Human Remains Dating after 1775 at the Joint Courts Complex Archaeological Data Recovery Project*. Joseph T. Hefner, Michael P. Heilen, Kristin Sewell. Technical Report 08-54, Statistical Research, Inc.
- 2008 *End-of-Fieldwork Report for the Joint Courts Complex Archaeological Data Recovery Project*. John D. Hall, Scott O'Mack, Michael Heilen, Karen Swope, Joseph T. Hefner, Kristin Sewell, Marlesa Gray. Technical Report 08-50, Statistical Research, Inc.

PUBLISHED ABSTRACTS AND PRESENTATIONS

- 2013 The Contributions of Richard Jantz to the Development, Implementation, and Continuance of the Forensic Anthropology Data Bank. MK Spradley, JT Hefner, SD Ousley. Proceedings of the American Academy of Forensic Science, Washington, DC. 19: 406-407.
- 2011 Ancestry Estimation using Random Forest Modeling. Joseph T. Hefner, M. Kate Spradley, and Bruce Anderson. Proceedings of the American Academy of Forensic Science, Chicago, Illinois. 17: 352-353.
- 2010 *Identity and Cemetery Organization: The View from a Historical-Period Cemetery in Downtown Tucson, Arizona, 1862-1881*. Michael Heilen, Lynne Goldstein, Joseph T. Hefner, and Kristin Sewell. Paper presented in the symposium The Spatial Archaeology of Identity: Past, Present, Future at the 43rd Annual Conference of the Society for Historical and Underwater Archaeology, Jacksonville, Florida
- 2010 *Historical and Skeletal Demography: Geospatial Approaches in the Interpretation of a Historical-Period Cemetery*. Joseph T. Hefner, Michael P. Heilen, and Nicholas Herrmann. Paper presented in the symposium The Spatial Archaeology of Identity: Past, Present, Future at the 43rd Annual Conference of the Society for Historical and Underwater Archaeology, Jacksonville, Florida
- 2009 *A Multidisciplinary Approach for the Determination of Cultural Affinity: Incorporating Contextual, Osteological, and Historical Documentation*. Joseph T. Hefner and Kristin Sewell. Paper presented at the Society for American Archaeology Annual meeting, Atlanta, Georgia, April, 2009.
- 2009 *Morphoscopic Traits: Mixed Ancestry, Hispanics, and Biological Variation*. Joseph T. Hefner. Paper presented at the American Academy of Forensic Science Annual meeting, Chicago, Illinois, February 2009.
- 2009 *A Statistical Assessment of Cranial and Mandibular Morphoscopic Traits Used in the Determination of Ancestry*. Nicolette Parr and Joseph T. Hefner. Paper presented at the American Academy of Forensic Science Annual meeting, Chicago, Illinois, February 2009.
- 2009 *Cranial variability in 19th century Tucson*. M. Kate Spradley, Joseph T. Hefner, and Nicholas P. Herrmann. Paper presented at the American Association of Physical Anthropologists meeting, Denver, Colorado, April 2009.
- 2009 *Insights into the historical and skeletal demography of an early Tucson cemetery*. Nicholas P. Herrmann, Willa R. Trask, Michael Heilen, Joseph T. Hefner, and Lyle W. Konigsberg. Paper presented at the American Association of Physical Anthropologists meeting, Denver, Colorado, April 2009.

PUBLISHED ABSTRACTS AND PRESENTATIONS (cont)

- 2008 Beyond Taphonomy: Craniometric Variation Among Anatomical Crania. Joseph T. Hefner, Natalie M. Uhl, Nicholas Passalacqua. Proceedings of the American Academy of Forensic Science, Washington, DC.
- 2007 The Value of Education and Experience in the Determination of Ancestry. Joseph T. Hefner, Paul Emanovsky, John Byrd, and Stephen Ousley. Proceedings of the American Academy of Forensic Science, San Antonio, TX.
- 2007 Geometric Morphometrics of the Human Scapula: An Assessment of Ancestry. Natalie Uhl, Joseph T. Hefner, and John J. Schultz. Presented at the Midwest Bioarchaeology and Forensic Anthropology Association annual meetings in Springfield, Illinois. Proceedings of the American Academy of Forensic Science, San Antonio, TX.
- 2007 Pedagogy of Practicing Forensic Anthropologists. Joseph T Hefner, Natalie M Uhl, Stan Rhine, William M Bass. Proceedings of the American Academy of Forensic Science, San Antonio, TX.
- 2006 Morphoscopic Traits and the Statistical Determination of Ancestry: Part II. Joseph T. Hefner and Stephen D. Ousley. Proceedings of the Annual meeting of the American Academy of Forensic Sciences, Seattle, WA.
- 2005 Morphoscopic Traits and the Statistical Determination of Ancestry. Stephen D. Ousley and Joseph T. Hefner. Proceedings of the Annual meeting of the American Academy of Forensic Sciences, New Orleans, LA.
- 2004 A Circuitous Path: From Late Archaic Archaeology to Modern Homicides. Joseph T. Hefner. Paper presented at the 56th Annual meeting of the American Academy of Forensic Sciences, Young Forensic Scientists Forum, Dallas, TX.
- 2004 An Historical Perspective of Nonmetric Traits: Hooton and the Harvard List. Joseph T. Hefner, Steven D. Ousley, and Michael W. Warren. Proceedings of the American Academy of Forensic Sciences, Dallas, TX.
- 2003 Moderator, Commorients of September 11: Forensic Anthropology Responds to the Terrorist Attacks” 55th Annual meeting of the American Academy of Forensic Sciences, Chicago, IL.
- 2003 Roles of the Biological Anthropologist in the Response to Terrorist Attack on United Airlines Flight 93, September 11, 2001. Marilyn R. London, Lenore T. Barbian, Dawn M. Mulhern, Paul S. Sledzik, MS, Dennis C. Dirkmaat, PhD, Laura Fulginiti, Joseph T. Hefner, Norman J. Sauer. Paper presented at the 55th Annual meeting of the American Academy of Forensic Sciences, Chicago, IL.
- 2003 The Utility of Nonmetric Cranial Traits in Ancestry Determination - Part II. Joseph T. Hefner. Paper presented at the 55th Annual meeting of the American Academy of Forensic Sciences, Chicago, IL. Winner: Emerging Forensic Scientist Award, Forensic Sciences Foundation, 2003.
- 2002 Identification of Sharp Force Trauma in burned remains utilizing *Odocoileus virginianus* as a Valid Research Tool,” Paul E. Emanovsky, M.S., Joseph T. Hefner, B.S., and Dennis C. Dirkmaat, Ph.D. Paper to be presented at the 54th Annual meeting of the American Academy of Forensic Sciences, Atlanta, GA.
- 2002 An Assessment of Craniofacial Nonmetric Traits Currently Used in the Forensic Determination of Ancestry. Joseph T. Hefner, BS. Paper presented at the 54th Annual meeting of the American Academy of Forensic, Atlanta, GA. Winner: J. Lawrence Angel Forensic Anthropology Student Paper Award, 2002

PUBLISHED ABSTRACTS AND PRESENTATIONS (cont)

- 2001 A Case of Dismemberment: Saw Mark Analysis, Sharp Force Trauma, and Blunt Force Chopping Wounds. Joseph T. Hefner. Paper presented at the annual meeting of the Northeastern Forensic Anthropology Association, Erie, PA.
- 2000 Forensic Processing of the Terrestrial Mass Fatality Scene: Testing New Search, Documentation, and Recovery Methodologies. Dennis C. Dirkmaat, Ph.D. and Joseph T. Hefner, B.S. Paper presented at the 53rd Annual meeting of the American Academy of Forensic Sciences, Seattle, WA.
- 2000 Enhancing the Documentation of Crime Scene Contexts: Recent Advances in Forensic Archaeology. Joseph T. Hefner, B.S., Dennis C. Dirkmaat, Ph.D., and John Schultz, M.S. Presented at the 66th Annual Meeting of the Society for American Archaeology.
- 1995 Analysis of Human Remains from an Unknown Provenience.” Joseph T. Hefner. Western Carolina University Undergraduate Research Conference.

INVITED LECTURES

- 2013 Invited Lecture, 9th Annual Chico Forensic Conference: November 2nd, 2013.
- 2012 Instructor, *Detection and Recovery of Human Remains*, Chaminade University, Honolulu, HI.
- 2009 Lecturer, *Laboratory Methods in Forensic Anthropology*, University of Tennessee, Knoxville, TN.
- 2008 Lecturer, *Quantitative Methods in Forensic Anthropology*. American Academy of Forensic Sciences 60th Annual Meeting, Washington, DC.
- 2008 Lecturer, *FORDISC Workshop: Postcranial Measurements*. Washington, DC. Presented by Richard Jantz, Stephen Ousley, and M. Kate Spradley.
- 2007 Instructor, *Laboratory Methods in Forensic Anthropology 2007*. Seminar presented by Mercyhurst Archaeological Institute, Forensic Anthropology/Osteology Laboratory, Erie, PA
- 2006 Instructor, *Laboratory Methods in Forensic Anthropology 2006*. Seminar presented by Mercyhurst Archaeological Institute, Forensic Anthropology/Osteology Laboratory, Erie, PA
- 2006 Instructor, *Human Identification: Methods in Forensic Anthropology*. Seminar presented by the Forensic Anthropology Center, Department of Anthropology, University of Tennessee, Knoxville, TN.
- 2005 Instructor, *Laboratory Methods in Forensic Anthropology 2005*. Seminar presented by Mercyhurst Archaeological Institute, Forensic Anthropology/Osteology Laboratory, Erie, PA
- 2004 Instructor, *Death Scene Archaeology 2004*. Mercyhurst College, Erie, PA
- 2002 Assistant Instructor, *Death Scene Archaeology 2002*. Mercyhurst College, Erie, PA
- 2002 Assistant Instructor, *Laboratory Methods in Forensic Anthropology 2002*. Mercyhurst College, Erie, PA
- 2001 Assistant Instructor, *Crime Scene Archaeology*. York Regional Police, Ontario, Canada
- 2001 Student Assistant Instructor, *Forensic Anthropology*. Armed Forces Institute of Pathology (AFIP), Bethesda, Maryland
- 2001 Assistant Instructor, *Laboratory Methods in Forensic Anthropology 2001*. Mercyhurst College, Erie, PA

INVITED LECTURES (cont)

- 2001 Assistant Instructor, *Death Scene Archaeology 2001*. Mercyhurst College, Erie, PA
- 2000 Assistant Instructor, *Crime Scene Archaeology 2000*. Federal Bureau of Investigation, St. Louis, MO
- 1999 Assistant Instructor, *EM-38 Training–Conductivity/Resistivity Machines and the Creation of Maps*. Mercyhurst College, Erie, PA

MASS DISASTER RESPONSE

- 2005 *DMORT*, Hurricane Katrina Disaster response. Recovery and identification of hurricane victims and displaced cemetery remains.
- 2002 *DMORT*–World Trade Center Recovery effort–Osteological analysis for the New York City, Chief Medical Examiner’s Office, New York, NY
- 2001 *DMORT*–United Airlines Flight 93, Recovery and analysis–Osteological analysis for Disaster Mortuary Operational Response Team, Somerset, PA

HUMAN SKELETAL ANALYSIS

- 2010 (to present) Skeletal analysis and peer review for forensic anthropology reports for the Joint POW/MIA Accounting Command-Central Identification Laboratory.
- 2009 Skeletal analysis and general report preparation of skeletal material recovered from US 60 data recovery project. Principal Investigator, Robert Wegener. Statistical Research, Inc, Tucson, Arizona.
- 2008 Skeletal analysis, data synthesis, and report preparation on skeletal material (n = 1,386) recovered from the Joint Courts Complex, Tucson, Arizona. Statistical Research, Inc. Principal Investigator, Bioarchaeology.
- 2008 Three-dimensional digital data collection of 124 crania from Northern Mexico and southern Arizona. Supervisor: Dr. Christopher Dudar. September, 2008.
- 2007 Contract, Repatriation Office, Smithsonian Institution, National Museum of Natural History, Washington, DC. Digital data collection of 190 crania from several Native American groups. Supervisor: Dr. Stephen Ousley. June, 2007
- 2006 Contract employee of the Repatriation Office, Smithsonian Institution, National Museum of Natural History, Washington, DC. Digital data collection of 180 crania from several Native American groups. Supervisor: Dr. Stephen Ousley. November, 2006
- 2005 Contract employee of the Repatriation Office, Smithsonian Institution, National Museum of Natural History, Washington, DC. Established the Macromorphoscopic data collection protocol using Paradox and Corel Draw. Supervisor: Dr. Stephen Ousley. Summer, 2005
- 2004 Contract employee of the Repatriation Office, Smithsonian Institution, National Museum of Natural History, Washington, DC. Used the newly established rib score aging methodology on approximately 250 Arikara Indians. Summer, 2004
- 2002 Pearson Village (33SA9)–Sandusky tradition burials (n = 546) ca. 1100 - 1550 AD–NAGPRA data collection for Ohio Historical Society. Osteology Laboratory, Mercyhurst Archaeological Institute, Mercyhurst College, Erie, PA.
- 2002 Castro de Chao Samartín. Castro Grandas de Salime. Auturias Campaña Arqueológica de

HUMAN SKELETAL ANALYSIS (cont)

- 2001. Osteology Laboratory, Mercyhurst Archaeological Institute, Mercyhurst College, Erie, PA.
- 2001 Thesis Research—Evaluation of craniofacial nonmetric traits for 762 individuals representing 25 populations. Smithsonian Institution, National Museum of Natural History, Washington, DC.
- 2001 Smithsonian Institution, National Museum of Natural History, Washington, DC, NAGPRA inventory of Southwest Prehistoric Native Americans (10 Week internship)
- 2000 Shuey Site, NAGPRA evaluation of prehistoric human remains;13 individuals; Osteology Laboratory, Mercyhurst Archaeological Institute, Mercyhurst College, Erie, PA.
- 1999 Stratton-Wallace Site, NAGPRA evaluation and analysis of ca. 180 individuals; Osteology Laboratory, Mercyhurst Archaeological Institute, Mercyhurst College, Erie, PA.

FAUNAL ANALYSIS

- 2007 Vietzen Faunal Collection; Directed student research on large faunal collection donated to the Mercyhurst Archaeological Institute, Mercyhurst College, Erie, PA.
- 2001 Archaeological Resources Protection Act (ARPA) Case. Analysis of culturally modified animal remains for the Rhonda L. Andrews Perishable lab, Mercyhurst College, Erie, PA
- 2001 Numeria Town, Jordan. Early Bronze Age II–III. Analysis of culturally modified animal remains for the Rhonda L. Andrews Perishable lab, Mercyhurst College, Erie, PA
- 2001 Contracted—Analysis of prehistoric and historic bone gambling beads from Sioux Village Site, for Edward Jolie, Thesis Researcher, University of Utah.
- 2000 *Bab Edh-Dhra*, Jordan - Contracted -Early Bronze Age II - III. Analysis of culturally modified animal remains for the Rhonda L. Andrews Perishable lab, Mercyhurst College, Erie, PA.

ARCHAEOLOGICAL FIELD EXPERIENCE

May 2008 to August 2008

Joint Courts Complex Data Recovery Project. Principal Investigator of Bioarchaeology. Burial excavation, analysis, and interpretation. Project PI: Terry Majewski.

May to July 2005

Erongaricuario, Michoacan, Mexico. Bioarchaeologist for Tarascan Phase site. Burial excavation, analysis, and interpretation. Field Director: David Haskell.

February to March 1998

Fort Polk, Phase I: Crew chief. Duties included assisting Field Directors in daily planning of survey of 1,500 acres, as well as supervision of four field technicians on their transects. TRC Garrow and Associates. Field Director: Ray Ezell.

January 1998

South Holston Lake, Phase I: A shoreline survey of the southern portion of Holston Lake. Duties included site mapping, photography, and determining eligibility for NRHP. TRC Garrow and Associates. Field Director: Lynn Peitak.

ARCHAEOLOGICAL FIELD EXPERIENCE (cont)

October 1997 to January 1998

Florence Mitigation, Phase III: Performed excavation of Early Archaic site in Alabama, including all profiling of a 50-meter trench. (Also performed duties as site mechanic). TRC Garrow and Associates. Field Director: Karl Fruedan.

October 1997

Virginia Pipeline, Phase I: A survey of the right-of-way for a pipeline. Shovel testing and mapping, as well as, drawing architectural features were the duties performed. TRC Garrow and Associates. Field Director: Tracy Millis.

September 1997

Spring Island, Phase III: Excavation of slave row on Spring Island. TRC Garrow and Associates. Field Director: Lynn Peitak.

August–September 1997

Wakefield Plantation, Phase III: Prehistoric, multi-component sites in North Carolina. Duties included excavation, profiling, mapping, and transit work. TRC Garrow and Associates. Field Director and Principle Investigator: Joel Gunn.

July–August 1997

Meridian Naval Station, Phase I - Surveyed and tested sites on Naval Station in Mississippi via shovel tests and transects. TRC Garrow and Associates. Field Director: Ray Ezell.

May–July 1997

Fort Stewart GA, Phase I - Survey and limited testing of sites on Fort Stewart Army base. Duties included shovel tests, plus site mapping and profiling of test units. Field Director: Virginia Markham.

January–May 1997

WCU Archaeology Lab - As lab student supervisor, duties included cataloging, washing, sorting, analysis, and preservation. Also dealt with organizing and supervising all student work-study. Lab Director: Jane Brown.

February 1997

Birdtown Bridge, Cherokee, Phase I Surveyed proposed area for installation of a bridge, and reported back to Dr. Rogers on impact. Also helped in report preparation and with all lab work.

October–December 1996

Beaverdam Industrial Park, Phase I and II - Crew Chief - Survey of 600-acre tract via transects. Area contained both prehistoric and historic sites that were tested and their eligibility determined. Duties included student supervision, mapping, photography, and coordination with field director in determination of scope of work. Field Director: Jane Brown.

July–August 1996

Wayne National Forest, Phase I Survey of 2,500-acre tract of land in Ohio. Duties included mapping, sketch mapping of sites, photography, and shovel testing. Garrow and Associates. Field Director: Virginia Markham.

June 1996

Pleasant Hill Cemetery Delineation, Phase I - Delineation of possible unmarked historic cemetery via probing. Garrow and Associates. Field Director: David Jones.

REFERENCES

Available upon request