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Dr. Thomas D. Holland CV

Thomas D. Holland

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CURRICULUM VITAE

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EDUCATION: AB (Fine Arts, magna cum laude, phi beta kappa) University of Missouri-Columbia (1979)
MA (Anthropology) University of Missouri-Columbia (1985)
PhD (Anthropology) University of Missouri-Columbia (1991)
(Dissertation: Archaeological and Biological Analysis of the Campbell Site)

CERTIFICATION: Diplomate (No. 51: By Examination), American Board of Forensic Anthropology

PRESENT POSITIONS: Scientific Director
US Army Central Identification Laboratory, Hawaii

Forensic Consultant
New York State Police

PROFESSIONAL MEMBERSHIPS: American Academy of Forensic Sciences
American Society of Crime Laboratory Directors

PROFESSIONAL EXPERIENCE (SELECTED):

1999 Instructor, University of Hawaii-West Oahu
1998- Affiliated Graduate Faculty, University of Hawaii
1998- Consultant to the New York State Police, Bureau of Criminal Investigation
1994-1994 Senior Anthropologist
US Army Central Identification Laboratory, Hawaii

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1992-1994	Physical Anthropologist US Army Central Identification Laboratory, Hawaii
1990-1992	Associate Curator Museum of Anthropology University of Missouri-Columbia
1988-1990	Assistant Curator Museum of Anthropology University of Missouri-Columbia
1990	Osteological Consultant Missouri Department of Natural Resources
1988	Instructor Department of Anthropology University of Missouri-Columbia
1983-1987	Research Assistant American Archaeology Division University of Missouri-Columbia
1980-1983	Archaeologist I American Archaeology Division University of Missouri-Columbia
1983	Osteological Consultant Iowa Office of Historic Preservation

ARCHAEOLOGICAL FIELD EXPERIENCE (SELECTED):

1992-	Recovery Team Leader, US Army CILHI teams operating in China, Iraq, Korea, Kuwait, North and South Korea, and Southeast Asia
1983-1992	Director or Assistant Director for 8 archaeological projects (prehistoric and historical survey, testing, and recovery)

REFEREED PUBLICATIONS:

- 1998 Perimortem calcaneal and talar fractures sustained in a military air crash in Vietnam. *Journal of the American Podiatric Medical Association*, 88: 446-450. (coauthored with RW Mann).
- A blue encrustation found on skeletal remains of Americans missing in action in Vietnam. *Forensic Science International*, 97:79-86 (coauthored with RW Mann, ME Feather, CS Tumosa, and KN Schneider).
- 1997 Parasites, porotic hyperostosis, and the implications of changing perspectives. *American Antiquity*, 62:183-93 (coauthored with MJ O'Brien).
- 1995 Estimation of adult stature from the calcaneus and talus. *American Journal of Physical Anthropology*, 96:315-20
- 1994 Evolutionary implications of design and performance characteristics of prehistoric pottery. *Journal of Archaeological Method and Theory*, 1:259-. (coauthored with MJ O'Brien, RJ Hoard, and GL Fox)
- 1992 The role of adaptation in archaeological explanation. *American Antiquity*, 57:36-59 (coauthored with MJ O'Brien)
- Estimation of adult stature from fragmentary tibias. *Journal of Forensic Sciences* , 37:1223-29
- 1991 Sex assessment using the proximal tibia. *American Journal of Physical Anthropology* , 85:221-27
- 1990 Variation, selection, and the archaeological record. In *Studies in Archaeological Method and Theory*, Vol 2, edited by MB Schiffer. Tucson: University of Arizona Press. Pp. 31-79 (coauthored with MJ O'Brien)
- 1989 Fertility in the prehistoric Midwest: a critique of unifactorial models. *American Antiquity*, 54:389-426
- Interpretive competition in the absence of appropriate data: Monte Alban revisited. *Current Anthropology* , 30:191-200 (coauthored with MJ O'Brien, JA Ferguson, and DE Lewarch)

- Use of the cranial base in the identification of fire victims. *Journal of Forensic Sciences* , 34:458-60
- Geoarchaeological evidence for prairie-mound formation in the Mississippi alluvial valley, southeastern Missouri. *Quaternary Research* , 31:83-93 (coauthored with MJ O'Brien and RL Lyman)
- 1987 Archaeological investigation of the area directly north of the old courthouse in Arrow Rock, Missouri. *Missouri Archaeologist*, 48:67-89 (coauthored with CB Pulliam)
- 1986 Sex determination of fragmentary crania by analysis of the cranial base. *American Journal of Physical Anthropology*, 70:203-08
- Race determination of fragmentary crania by analysis of the cranial base. *Journal of Forensic Sciences* , 31:719-25
- 1984 A pilot study in the thermal properties of buffalo chips. *Plains Anthropologist*, 29:161-65

OTHER PUBLICATIONS:

- 1999 Forensic aviation archaeology: Finding and recovering American MIA remains. In *Lessons from the Past: An Introductory Reader in Archaeology*, edited by KL Feder. Mountain View, CA: Mayfield Publishing. Pp. 184-188. (Reprint of *CRM* article coauthored with RW Mann).
- 1998 In search of American MIAs: Forensic anthropology in action. Smithsonian Institution, *AnthroNotes* 20: 13 (coauthored with RW Mann)
- 1997 Human variables affecting postmortem alteration of human bone. In *Forensic Taphonomy: The Post-Mortem Fate of Human Remains*, edited by WD Haglund and MH Sorg. New York: CRC Press, Inc. Pp. 263-274. (coauthored with BE Anderson and RW Mann)

- 1996 Variation, selection, and the archaeological record. In *Evolutionary Archaeology: Theory and Application*, edited by MJ O'Brien. (Reprint of paper coauthored with MJ O'Brien)
- Forensic aviation archaeology: Finding and recovering American MIA remains. *CRM* 19 (10): 29-31 (coauthored with RW Mann).
- 1995 The nature and premise of a selection-based archaeology. In *Evolutionary Archaeology: Methodological Issues*, edited by PA Teltser. Tucson: University of Arizona Press. Pp. 175-200. (coauthored with MJ O'Brien)
- Behavioral archaeology and the extended phenotype. In *Expanding Archaeology*, edited by JM Skibo, WH Walker, and AE Nielsen. Salt Lake City: University of Utah Press. Pp. 143-161. (coauthored with MJ O'Brien)
- Skeletal Analysis. In *Cat Monsters and Headpots: The Late Mississippian-Period Prehistory of Pemiscot Bayou, Southeastern Missouri*, edited by MJ O'Brien. Columbia: University of Missouri Press. Pp. 307-47.
- Campbell [Site]. In *Cat Monsters and Headpots: The Late Mississippian-Period Prehistory of Pemiscot Bayou, Southeastern Missouri*, edited by MJ O'Brien. Columbia: University of Missouri Press. Pp. 195-260. (coauthored with MJ O'Brien).
- 1993 *Problems and Observations Related to the Forensic Identification of Human remains Repatriated to the United States by North Korea*. Santa Monica: Rand Corporation. RAND/P-7820.
- 1992 Sequoyah's gift. *Etc. Magazine*, July/August: 8-10, 35.
- 1991 Report of the archaeological excavation of a brick chamber adjoining the Maus House, Jefferson City, Missouri. *Missouri Archaeological Society Quarterly*, 8(1):12-17 (coauthored with CB Pulliam)
- Faded glory: The rape of a national treasure [Spiro Mound]. *Etc. Magazine*, September/October: 20-23.

- 1987 How to create professional-looking photographic plates. *Missouri Archaeological Society Quarterly* , 4(1):12-15
- 1985 Painted skulls from Rockhouse Cave. *Missouri Archaeological Society Quarterly* , 2(2):8-10, 15-17

UNPUBLISHED REPORTS (LAST 15 YEARS):

- 1992- Over 100 forensic reports prepared for the US Army CILHI, the Honolulu Medical Examiner, and the New York State Police
- 1986-1992 Over 20 archaeological reports submitted to various federal and state government agencies

PAPERS PRESENTED (NATIONAL OR INTERNATIONAL MEETINGS):

- 1999 *The Role of Forensic Anthropology in the Age of DNA*. Advances in Personal Identification in Mass Disasters (Invited Conference Co-sponsored by the U.S. Army and the Smithsonian Institution). Honolulu, HI.
- *From Excavation to Identification: CILHI's Role in the Resolution of Korean Airlines Flight 801*. Advances in Personal Identification in Mass Disasters (Invited Conference Co-sponsored by the U.S. Army and the Smithsonian Institution). Honolulu, HI. (coauthored with T Woltanski, D Rankin, H Dockall, and R Mann)
- *The End of an Era? A Tribute to the Vietnam Tomb of the Unknown*. 51st Annual Meeting of the American Academy of Forensic Sciences. Orlando, FL (coauthored with Y Daoudi, MA Morgan, CA Diefenbach, JH Ryan, TM Johnson, GM Conklin, K Duncan, KB Smigielski, EF Huffine, DR Rankin, RW Mann, KC McKliffresh, JJ Canik, V Armbrustmacher, and MM Holland)
- *The Location and Recovery of U.S. War Dead: Vietnam, Korea, the Cold War, and World War II*. 13th Annual Henry F. Williams (NYSP) Homicide Seminar. Albany, NY

- *The Role of Anthropology in the Age of DNA.* Advances in Personal Identification in Mass Disasters (Invited Symposium). Honolulu, HI
- 1998 *The Recovery and Identification of Human Remains from a World War II Crash Site in Tibet.* 50th Annual Meeting of the American Academy of Forensic Sciences. San Francisco, CA (coauthored with WE Grant and BC Smith)
- *The Recovery and Identification of Two American Pilots: Bones, DNA and Footprints from Vietnam.* 50th Annual Meeting of the American Academy of Forensic Sciences. San Francisco, CA (coauthored with RW Mann and JE Bell)
- *The Location and Recovery of U.S. War Dead: Vietnam, Korea, the Cold War, and World War II.* 12th Annual Henry F. Williams (NYSP) Homicide Seminar. Albany, NY
- 1997 *Multidisciplinary Approach in the Identification of Skeletal Remains After 50 Years Submersion in Salt Water: A Case Report.* 49th Annual Meeting of the American Academy of Forensic Sciences. New York, NY (coauthored with BC Smith, TD Holland, MA Morgan, RK Roby, MM Anderson)
- *The Role of Archaeology in the Recovery of Military Personnel Lost in Action During the Viet Nam War.* 30th Annual Meeting of the Society for Historical Archaeology. Corpus Christi, Tx (coauthored with MK Trimble, C Slaymaker, D. Danielson, J. Goldstein, M Kodak, and C. Pulliam)
- *The Search for U.S. MIAs/POWs.* 11th Annual Henry F. Williams (NYSP) Homicide Seminar. Albany, NY (coauthored with RW Mann)
- 1996 *The Search and Recovery of U.S. War Dead.* 10th Annual Henry F. Williams (NYSP) Homicide Seminar. Albany, NY
- 1995 *Forensic Anthropology.* 9th Annual Henry F. Williams (NYSP) Homicide Seminar. Albany, NY

- 1994 *A Multidisciplinary Approach to the Identification of Skeletal Remains.* 46th Annual Meeting of the American Academy of Forensic Sciences. San Antonio, TX (coauthored with JC Schmidt)
- 1993 *Bioarchaeology of Southeast Missouri.* 58th Annual Meeting of the Society for American Archaeology. St. Louis, MO
- 1992 *The Limits of Evolutionary Theory as Applied to Archaeology.* 57th Annual Meeting of the Society for American Archaeology. Pittsburgh, PA (coauthored with MJ O'Brien)
- *The Fit Between Behavioral Archaeology and a Darwinian-Based Evolutionary Archaeology.* 57th Annual Meeting of the Society for American Archaeology. Pittsburgh, PA (coauthored with MJ O'Brien)
- *Skeletal Trauma Resulting from Military Aircrashes.* 4th Indo-Pacific Congress on Legal Medicine and Forensic Sciences. Bangkok, Thailand (coauthored with RW Mann)
- 1991 *Evolutionary Selectionism and the Role of Archaeometry.* 56th Annual Meeting of the Society for American Archaeology. New Orleans, LA (coauthored with MJ O'Brien)
- *The Role of Adaptation in Archaeological Explanation.* 56th Annual Meeting of the Society for American Archaeology. New Orleans, LA (coauthored with MJ O'Brien)
- 1986 *Sex Determination of the Cranial Base.* 55th Annual Meeting of the American Association of Physical Anthropologists. Albuquerque, NM

FORENSIC COURSES TAUGHT:

- 1999 Forensic Anthropology, University of Hawaii-West Oahu
- 1998 The Location and Recovery of Buried Bodies. Course taught to the New York State Police
- 1997 The Location and Recovery of Buried Bodies. Course taught to the Maine, New Hampshire, Vermont, New York, New Jersey,

Connecticut, Massachusetts, Rhode Island, and Pennsylvania
State Police

- 1996 The Location and Recovery of Buried Bodies. Course taught to
the New York State Police
- 1995 The Location and Recovery of Buried Bodies. Course taught to
the New York State Police

PUBLICATIONS IN PRESS:

INVITED PUBLICATIONS IN PREPARATION:

PAPERS SUBMITTED FOR PUBLICATION: