

WILLIAM E. GRANT, M.A., M.L.I.S.

Curriculum Vitae

B. H. Barkalow & Associates, LLC
65 West State Rd., Suite C
Newaygo, Michigan 49337-8129
(231) 652-2228
Bill@bhbi.com

Education

Master of Library and Information Science-- Wayne State University, Library and Information Science

Master of Arts-- University of Tennessee, Anthropology

Bachelor of Arts-- University of Maine, Anthropology (magna cum laude)

Professional Experience

Forensic Anthropologist/Information Resource Manager
B. H. Barkalow & Associates, LLC
Newaygo, MI

As a Forensic Anthropologist I offer forensic anthropological services to local law enforcement agencies and county Medical Examiner systems including search and recovery of scattered remains and clandestine gravesites, skeletal trauma analysis, human versus non-human determination, commingling issues, and metric/non-metric assessment of biological profile (sex, age, race, and stature) to aid in identification. Per protocol, I communicate my findings in both written reports as well as orally to involved parties. As an Information Resource Manager I provide specialized research services to support engineering staff and attorney clients. This includes pertinent medical device- and manufacturer-associated documents from Title 21 of the U.S. Code of Federal Regulations; device-relevant information related to specific medical conditions; medical literature related to surgical procedures, etc., associated with injured parties; as well as the use and long-term success or failure of related medical devices and associated technology. This also includes assessing manufacturer documents for quality-related issues; conducting case-related FDA database searches and summaries; deposition summaries; Bates document organization, searching, and extraction of relevant information. I support staff engineers with report initiation in Federal Rule 26 format with accompanying citations to assist associate experts with proper basis of opinions. I set up the evidence handling protocol for the practice and maintain security for evidence and sensitive documents. This includes ensuring proper chain-of-custody procedures are maintained. As the Case File Coordinator, I integrate all of the above as well as necessary reports and supporting documentation into a cohesive case file providing the basis for a legal set of opinions. I have conducted work for a class-III medical device manufacturer to assist in quality assessments for ISO-9001 (Quality Management Systems) and ISO-13485:2003 (Medical Devices - Quality Management Systems) certification, have assisted in preparing for an upcoming FDA inspection by independently assessing quality-related issues in manufacturing and FDA-compliance areas. I have also assisted in writing a 510(k) (premarket notification) document for a class-III medical device as well as an FDA 515 medical device reclassification submission. I maintain close relationships with various legal and professional interdisciplinary colleagues and communicate as necessary with

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them.

Medical Library Coordinator ; Research Technician Medical Library, Holland Hospital Holland, MI

As the Medical Library Coordinator I was responsible for running the Medical Library. In addition to my former library duties, this included maintaining the annual budget and coordinating the activities of five library volunteers.

As a Research Technician I conducted research on medical-related topics for hospital staff and local community members, and provided library instruction as needed. I designed and maintained the Medical Library's website as well as a community cultural diversity website. I served as administrator for the library's electronic databases. I assessed the collections and purchased, cataloged, and labeled items for both the Medical and Consumer Health libraries. I maintained circulation records, and lent/borrowed items for patrons using DOCLINE interlibrary loan software.

Adjunct Reference Librarian Zumberge Library, Grand Valley State University Allendale, Michigan

As an Adjunct Reference Librarian, I instructed students, faculty, and the public in how to conduct research using the online catalog, electronic databases, as well as the Internet and traditional print resources. I also aided in collection development by assessing anthropology and reference texts for purchase.

Forensic Anthropologist/Evidence Curator United States Army Central Identification Laboratory, Hawaii (CILHI) Hickam AFB, Honolulu, Hawaii

As a Forensic Anthropologist I assisted in the casualty resolution process of the POW/MIA effort by analyzing and identifying the skeletal remains of past war dead. This included assessing the minimum number of individuals present, age, sex, racial ancestry, stature, trauma, any pathological conditions present, as well as obtaining mitochondrial DNA bone samples. Results were communicated both in written and oral formats to various concerned parties. I obtained a Secret Clearance during this time period. I assisted in setting up the protocol for identification packets and served as Case File Coordinator on many identification cases throughout my tenure in the lab. In the field I led archaeological excavations as the Recovery Leader of joint service teams on missions in Vietnam, Laos, Russia, Australia, Vanuatu, Brazil, Norway, Germany, Italy, the United States, as well as the first two recovery missions to North Korea. As the Recovery Leader I supervised service members and local workers from many diverse cultural groups in the excavation of aircraft crash sites along with isolated burials. As the laboratory's Evidence Curator I set up the security protocol and with the Scientific Director and others, began the process of attaining laboratory certification with the American Society of Crime Laboratory Directors (ASCLD). This included working with an outside security detail who installed both swipe and proximity locks on all laboratory section doors, assigning laboratory personnel with identification badges and maintaining the security database, and providing security reports when requested. I was responsible for maintaining security of all remains (averaging one thousand containers) as well as accessioning, circulating, conducting preliminary analyses, and releasing identified remains to casualty affairs representatives from the different branches of service. I was responsible for quality management by conducting monthly random "count ten" remains inventories with the CILHI Commander, as well as yearly 100% remains audits. As Evidence Curator I was also involved in

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conducting archival research and maintaining two databases. In addition, I led hundreds of scientific tours to varied audiences, tailoring content to audience makeup. Working independently, I required minimal supervision. I also trained new scientific staff in laboratory and field standard procedures. I maintained professional relationships with multiple groups through effective communication.

Graduate Assistant

**Department of Anthropology, University of Tennessee
Knoxville, Tennessee**

While a Graduate Assistant, I provided support for the teaching of Forensic Anthropology, Human Origins, and Human Osteology courses, and was responsible for running the laboratory section of the latter course. I was also a member of the Forensic Response Team conducting death scene investigations and skeletal analyses. Death scene investigations included photo-documenting the scene, as well as searching for and recovering both scattered remains and those interred in clandestine graves using archaeological techniques. Skeletal analyses consisted of assessing minimum number of individuals present, along with age, sex, racial ancestry, stature, trauma, and any pathological conditions. I served as the Collections Manager for the Anthropology Research Facility, which included procuring donated bodies from medical examiner offices and hospital morgues, macerating decomposed remains, cataloging osseous elements, and curating remains for the William M. Bass Donated Skeletal Collection.

Teaching Experience (past and present)

Occasional lecturer in Forensic Anthropology identification methods and techniques of human remains recovery

Religious Education Instructor, Howard City, MI

Online database instruction, Holland Hospital--Holland, Michigan

Reference/online database instruction, Grand Valley State University--Allendale, Michigan

Co-lecturer for Location and Recovery of Human Remains course, Naval Criminal Investigative Service--Honolulu, Hawaii

Co-lecturer for Location and Recovery of Human Remains course, New York State Police--Albany, New York

Teaching Assistant for Forensic Anthropology, Human Osteology, and Human Origins courses at the University of Tennessee--Knoxville, Tennessee

Instructor, United States Army Reserve--Bangor, Maine

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Professional Memberships

American Academy of Forensic Sciences (Fellow)
Michigan Health Sciences Libraries Association
West Michigan Health Sciences Libraries Association
Sigma Xi

Publications, Presented Papers, et cetera

- Anderson, B. E., Holland, T. D., Manoukian, A. & Grant, W. E. (2002). A death in paradise: human remains scavenged by a shark. In D. Wolfe Steadman (Ed.), *Hard evidence: case studies in forensic anthropology* (pp. 189-196). New York: Prentice Hall.
- Barkalow, B. H., Grant, W. E., & Curran, F. H. (2009, February) *Biomedical engineering in root cause analysis – example: assessing infant apnea-related deaths*. Paper presented at the annual meeting of the American Academy of Forensic Sciences, Denver, CO.
- Blanchard, A., Anderson, T. D., Wilson, R. E., Rankin, D. R., Grant, W. E., Temple, R. E., et al. (2001, February). *Using science to better the quality of human life*. Paper presented at the annual meeting of the American Academy of Forensic Sciences, Seattle, WA.
- Callum, K., Grant, W. E., Tibbetts, E. P., & Enslin, J. (1990, March). *Ethics in archaeology: a matter of public concern*. Poster session presented at the annual meeting of the Maine Archaeological Society, Orono, ME.
- Faulkner, C. H., & Grant, W. E. (1992). *Sims burial cave*. Unpublished manuscript, University of Tennessee at Knoxville.
- Galloway, A., Woltanski, T. J., & Grant, W. E. (1993). *Bibliography for the Forensic Application of Anthropology*. Knoxville: University of Tennessee Press.
- Grant, B. (2005, May/June). Accessing relevant medical information using electronic resources, part 1: creating a search strategy. *PHO Newsletter*, 1; 4-5.
- Grant, W. E. (1990, Spring). Ethics and responsibilities regarding skeletal remains: a time for understanding and respecting Native American beliefs. *Maine Archaeological Society Newsletter*, 5, 7-8.
- Grant, W. E. (1993, June). *Correcting a case of mistaken identity: the Pole Cat Creek incident*. Paper presented at the annual meeting of the Mountain, Swamp and Beach Practicing Forensic Anthropologists, Chattanooga, TN.
- Grant, W. E. (1993). *The effects of changing subsistence strategies on the degree of sexual dimorphism of skeletons from the southeastern United States*. Unpublished master's thesis, University of Tennessee, Knoxville.
- Grant, W. E. (1999, November). *CILHI: an overview of field and laboratory procedures*. Paper presented at the 1999 Symposium on Human Remains: Conservation, Retrieval and Analysis, Williamsburg, VA.

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- Grant, W. E. (2000, February). *From the field to the family: chain of custody procedures and curation of remains at the United States Army Central Identification Laboratory, Hawaii*. Paper presented at the annual meeting of the American Academy of Forensic Sciences, Reno, NV.
- Grant, W. E. (2005, January). *Accessing relevant medical information using electronic resources*. Paper presented to Holland Hospital physicians for continuing medical education, Holland, MI.
- Grant, W. E. (2005, March). *Using the power of CINAHL to conduct nursing research*. Paper presented to Holland Hospital nursing staff for continuing education, Holland, MI.
- Grant, W. E., Curran, F. J., & Barkalow, B. H. (2008, October). *An interdisciplinary forensic approach to solving medical device failure cases*. Paper presented at the annual meeting of the Biomedical Associations of Wisconsin Conference, Green Bay, WI.
- Grant, W. E., Grant, T. J., & Reyers, J. (2005, March). *The mystery of the missing mystery: a Nancy Drew 75th anniversary whodunit*. Children's interactive event presented at the Georgetown District Library, Jenison, MI.
- Grant, W. E., & Hoshower, L. M. (1999, November). *The lost generation: the long journey of Harold Wurtz and Harriet Gowen*. Paper presented at the 1999 Symposium on Advances in Personal Identification in Mass Disasters, Honolulu, HI.
- Grant, W. E., & Jantz, R. L. (2003, February). *The estimation of sex from the proximal ulna*. Paper presented at the annual meeting of the American Academy of Forensic Sciences, Chicago, IL.
- Grant, W. E., & Smith, B. C. (1998, February). *The recovery and identification of a United States Korean War-era soldier from Unsan County, Democratic People's Republic of Korea*. Paper presented at the annual meeting of the American Academy of Forensic Sciences, San Francisco, CA.
- Holland, T. D., & Grant, W. E. (1998, February). *The recovery and identification of human remains from a World War II crash site in Tibet*. Paper presented at the annual meeting of the American Academy of Forensic Sciences, San Francisco, CA.
- Houck, M. M., Ubelaker, D. H., Owsley, D. W., Craig, E. A., Grant, W. E., Fram, R., et al. (1995, February). *The role of forensic anthropology in the recovery and analysis of Branch Davidian compound victims: Assessing the Accuracy of Age Estimations*. Paper presented at the annual meeting of the American Academy of Forensic Sciences, Nashville, TN.
- Houck, M. M., Ubelaker, D. H., Owsley, D. W., Craig, E. A., Grant, W. E., Fram, R., et al. (1996). The role of forensic anthropology in the recovery and analysis of Branch Davidian compound victims: assessing the accuracy of age estimations. *Journal of Forensic Sciences*, 41, 796-801.
- Konigsberg, L. W., & Grant, W. E. (1994, April). *Females better buffered? Past and ethnographic present*. Paper presented at the annual meeting of the American Association of Physical Anthropologists Denver, CO.
- Mann, R. W., Holland, T. D., Webster, A. D., & Grant, W. E. (1996). The search for American MIAs: forensic anthropology in the field. *The Director*, 64, 34-38.

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- Rankin, D. R., Temple, R. E., Grant, W. E., Blanchard, A., & Smith, B. C. (2001, February). *Homeward bound: the recovery and identification of the crew of the "Lost Liberator."* Paper presented at the annual meeting of the American Academy of Forensic Sciences, Seattle, WA.
- Owsley, D. W., Ubelaker, D. H., Houck, M. M., Sandness, K. L., Grant, W. E., Craig, E. A., et al. (1994, February). *The role of forensic anthropology in the recovery and analysis of Branch Davidian compound victims: techniques of analysis.* Paper presented at the annual meeting of the American Academy of Forensic Sciences, San Antonio, TX.
- Owsley, D. W., Ubelaker, D. H., Houck, M. M., Sandness, K. L., Grant, W. E., Craig, E. A., et al. (1995). The role of forensic anthropology in the recovery and analysis of Branch Davidian compound victims: techniques of analysis. *Journal of Forensic Sciences*, 40, 341-348.
- Parisian, S. D., Barkalow, B. H., & Grant, W. E. (2008, February) *The Pathologist's role in preserving implanted pacemakers and cardiac defibrillators or how not to get shocked!* Paper presented at the annual meeting of the American Academy of Forensic Sciences, Washington, D.C.
- Ubelaker, D. H., Owsley, D. W., Houck, M. M., Sandness, K., Grant, W. E., Craig, E., et al. (1994, February). *Role of anthropology in Mount Carmel disaster.* Paper presented at the annual meeting of the American Academy of Forensic Sciences, San Antonio, TX.
- Ubelaker, D. H., Owsley, D. W., Houck, M. M., Craig, E. A., Grant, W. E., Woltanski, T. J., et al. (1995). The role of forensic anthropology in the recovery and analysis of Branch Davidian compound victims: recovery procedures and characteristics of the victims. *Journal of Forensic Sciences*, 40, 335-340.

References

Dr. Thomas D. Holland
Scientific Director
Joint POW/MIA Accounting Command (JPAC)
310 Worchester Ave. Bldg 45
Hickam AFB, HI 96853-5530

Dr. Brion C. Smith
Senior Science Advisor
Defense Intelligence Agency

Dr. William M. Bass, III
Professor Emeritus, University of Tennessee
1186 Treymour Way
Knoxville, TN 37922