

# BETHANY MCKAY USHER, PH.D.

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## EDUCATION

- Ph.D. Anthropology (Biological Anthropology), Pennsylvania State University; August 2000.
- M.A., Anthropology (Bioarchaeology), Arizona State University; August 1995.
- B.A., Anthropology and Biology, The University of Virginia; August 1991.
- Advanced Studies Diploma, Oakton High School; June 1988.

## PROFESSIONAL EXPERIENCE

- Associate Professor of Biological Anthropology: Department of Anthropology, State University of New York College at Potsdam, Potsdam, NY, August 2000-present (promoted from Assistant Professor, August 2005).
- Volunteer Instructor: Genealogy through Cemeteries; SUNY Potsdam's SOAR Institute for Learning in Retirement; Fall 2002.
- Instructor: Department of Anthropology, Pennsylvania State University, University Park, PA; January-May 1997, May-June 1998; August-December 1998; May-June 1999; May-June 2000.
- Assistant Professor: Department of Anthropology, Shippensburg University, Shippensburg, PA; August 1999- January 2000.
- Teaching Assistant: Pennsylvania State University, University Park, PA; August 1996 - December 1996; August 1999-May 2000.
- Research Assistant: Bangladesh Family Planning Survey, Department of Anthropology, Pennsylvania State University, University Park, PA; May 1999-June 2000.
- J. William Fulbright Foreign Scholar, Denmark; August 1997- May 1998.
- Archaeologist: Medieval Cemetery Excavations, Archaeological Database Odense University (ADBOU), Odense, Denmark; July 1996 - August 1996.
- Research Assistant: Paleodemography Project, Department of Anthropology, Pennsylvania State University, University Park, PA; May 1996 - July 1996.
- Research Assistant: Roosevelt Platform Mound Study, Office of Cultural Resource Management, Arizona State University, Tempe, Arizona; May 1994 - August 1995.
- Teaching Assistant: Introduction to Physical Anthropology and Introduction to Anthropology, Anthropology Department, Arizona State University, Tempe, Arizona; August 1993 - May 1994.
- Graphics Coordinator and Field Archaeologist: Archaeological and historic preservation projects, R. Christopher Goodwin & Associates, Inc., Frederick, Maryland; August 1991 - August 1993.

## COMMITTEE AND LEADERSHIP ACTIVITIES

- Board of Directors of SUNY Potsdam Child Care Center, Inc.
  - Member, Spring 2004 – present.
  - Chair, Program and Marketing Standing Committee, Fall 2004 – present.
  - Vice Chair, Fall 2005 – present.
- Presidential Scholars Steering Committee
  - Member, Fall 2001 – present.
- SUNY Potsdam Web Design Team
  - College of Arts and Sciences Representative, Summer 2002 – Summer 2006.
- Teaching and Learning Technology Roundtable
  - Faculty Senate Appointee, Fall 2001 – Fall 2005.
- Academic Policies, Standards, & Advising Standing Faculty Senate Committee
  - Member, Fall 2001 – Spring 2004.
  - Chair, Spring 2002.
- Research and Creative Endeavors Proposal Review Committee
  - Member, Fall 2001 – Spring 2004.
- Provost's Academic Advising Steering Committee
  - Member, Fall 2002 – Spring 2003.
- Computer Support Search Committee
  - Faculty Representative, Fall 2002.
- Member, Faculty Senate Executive Committee
  - Member, Spring 2002.
- Association of Anthropology Graduate Students (Arizona State University Chapter),
  - Bioarchaeology Representative, 1993 – 1994.
  - President 1994 – 1995.

## HONORS, AWARDS, FELLOWSHIPS AND GRANTS

- National Science Foundation Senior Research Grant Proposal, RUI: Collaborative Grant: The Ancien Cemetery Social Patterning Project: Tirup Cemetery. PIs: Bethany Usher and Lori Baker (Baylor University). Co-PIs: Jaimin Weets (SUNY Potsdam), Troy Case (North Carolina State University). *Submitted for review July 2006.*
- SUNY Potsdam President's Award for Excellence in Academic Advising; Spring 2005.
- Dr. Noala McGann Drescher Affirmative Action/Diversity Leave, State University of New York and United University Professionals; Spring 2005
- American-Scandinavian Foundation Amanda C. Roleson Fund Fellowship and Lois Roth Endowment Grant to Denmark; Spring 2004.
- SUNY Potsdam Internal Grants: Grant Development Program (Spring 2006), Research and Creative Endeavors Award (Spring 2001, Spring 2002, Spring 2003, Spring 2004), Curriculum Development Grant (Fall 2000, Spring 2004), Faculty-Undergraduate Summer Research Grant (Summer 2002), UUP Professional Development Grant (Spring 2001, Spring 2002), Learning and Teaching Excellence Center Fellowship (Spring 2002), Learning Communities Teaching Grant (Spring 2002).
- Pennsylvania State University Internal Grants: Liberal Arts Graduate School Fellowship (1995-1997, 1998-1999), Hill Dissertation Development Fellowship (1997), Graham Fellowship (1997-1999).
- Institute Fellow, German and American Young Scholars' Institute on "Social and Biological Determinants of Longevity;" 1997 (University of California, Davis) and 1998 (Max Planck Institute for Demographic Research, Rostock, Germany)
- Phi Kappa Phi Honor Society; 1995.
- Regent's Graduate Academic Scholarship, Arizona State University; 1993-1995.
- Howard Hughes Biomedical Research Assistantship, University of Virginia; 1990-1991.

## **COURSES DEVELOPED AND TAUGHT**

- Professionalism in Anthropology (ANTH 393), SUNY Potsdam; Fall 2006.
- Evolution (ANTH 120), SUNY Potsdam; Fall 2005.
- The Primates (ANTP 184), SUNY Potsdam; Spring 2003.
- Human Origins Lecture and Lab (ANTP 201), SUNY Potsdam; Fall 2000 – Spring 2007.
- Introduction to Forensic Anthropology (ANTH 248A), St. Lawrence University; Fall 2004.
- Issues and Ideas in Physical Anthropology (ANTP 301), SUNY Potsdam; Fall 2000, Spring 2004, Fall 2005, Fall 2006.
- Humans, Disease, and Death (ANTP 347), SUNY Potsdam; Spring 2002, Fall 2005, Spring 2007 (planned).
- Archaeology of Death (ANTP 365), SUNY Potsdam; Spring 2001, Fall 2002.
- Human Osteology (ANTP 380), SUNY Potsdam; Fall 2000, Fall 2002, Fall 2004, Fall 2006.
- Genes and People (ANTP 383), SUNY Potsdam; Fall 2001, Spring 2004 (honors), Spring 2006 (honors).
- Forensic Anthropology (ANTP 402), SUNY Potsdam; Spring 2001, Spring 2003.
- Advanced Biological Anthropology Research (ANTP 403), SUNY Potsdam; Fall 2003.
- Cannibalism (ANTH 455), SUNY Potsdam; Fall 2001, Fall 2003.
- Introduction to Physical Anthropology (ANTH 121), Shippensburg University; Fall 1999.
- Introduction to Biological Anthropology (ANTH 21), Pennsylvania State University; Spring 1997, Summer 1998, Fall 1998, Summer 1999, and Summer 2000.

## **PROFESSIONAL MEMBERSHIPS**

- American Association of Physical Anthropologists, 1993-present.
- Society for American Archaeologists, 1996-present.
- Swiss Anabaptist Genealogy Association, 2002-present.
- Association for Gravestone Studies, 2001-present.
- Human Biology Association, 2004-present.

## **COMPUTER SKILLS**

- Web Page Design: MicroSoft Front Page, Adobe Go Live, Dreamweaver
- Data Organization and Analysis: Microsoft Excel, Microsoft Access, SAS, JMP, SPSS with Geospatial module, ithink/Stella Modeling, SatScan, EndNote, MLE Maximum Likelihood Estimator, Family Tree Maker, FoxPro, Surfer
- Graphics and GIS: ESRI ArcGIS (currently taking ESRI campus classes online), TIGER, AutoCAD, Adobe Photoshop/Elements, Adobe Illustrator, CorelDraw
- Communication: Microsoft PowerPoint, Microsoft Word, Corel WordPerfect, Palm applications
- Internet: Firefox, Thunderbird, Microsoft Internet Explorer, Netscape, Outlook, Eudora

## **PUBLICATIONS**

### **Refereed Journal Articles, Book Chapters, and Book Reviews**

Usher, BM. 2006. Book Review: To the Latest Posterity: Pennsylvania-German Family Registers in the German Fraktur Tradition (by Corinne and Russell Earnest). Book Review. To be published in the Yearbook of German-American Studies 41.

Usher BM. 2003. *Review of History of a Family Bible 1685-2000: A Quest for the Missing Link, on CD, by William Arnold O'Malley* Book Review. Yearbook of German-American Studies 38.

Usher BM. 2002. Reference samples: The first step in linking biology and age in the human skeleton. In R Hoppa, J Vaupel, editors: *Paleodemography: Age Distributions from Skeletal Samples*. Cambridge: Cambridge University Press, pp. 29-47.

## **PUBLICATIONS continued**

Usher BM. 2001. *Known by the Work of his Hands* Book Review. Yearbook of German-American Studies 36:214-215.

Usher BM. and Norregaard Christensen M (2000) A Sequential Developmental Field Defect of the Vertebra, Ribs, and Sternum, in a Young Woman of the 12<sup>th</sup> Century AD. American Journal of Physical Anthropology 111(3): 355-367.

### **Texts**

Omohundro, JT and Usher, BM. 2006. Mystery Fossil: A Physical Anthropology Laboratory Exercise (Version 4.0). New York: McGraw-Hill/Mayfield.

### **Dissertation**

Usher, BM. August 2000. A Multistate Model for Health and Mortality in Paleodemography: Tirup Cemetery. PhD Dissertation, Pennsylvania State University.

### **Thesis**

Usher, BM. July 1995. HLA Polymorphism and Anthropological Implications in the Pima Indians of the Gila River Indian Community; M.A. Thesis, Arizona State University.

### **Presentations**

Usher BM, Weets JD, Case DT, Baker LE, and Boldsen JL 2007. Ancient Cemetery Social Patterning Project: Tirup Cemetery. To be presented at the Society for American Archaeology National Meeting, Austin, Texas; April 2007.

Usher BM and Polmateer RS 2007. Skeletal and genetic determination of spatial social patterns in cemeteries. To be presented at the American Association of Physical Anthropologists National Meeting, Philadelphia, Pennsylvania; March 2007.

Baker LE, Usher BM, Weets JD, Case DT, and Boldsen JL 2007. Ancient Cemetery Social Patterning Project: Ancient DNA in Tirup Cemetery. To be presented at the American Association of Physical Anthropologists National Meeting, Philadelphia, Pennsylvania; March 2007.

Usher BM 2006. Spatial and Social Patterning in Medieval Scandinavian Cemeteries. Society for American Archaeology National Meeting, San Juan, Puerto Rico, March 2006.

Usher BM 2005. Anabaptist spatial organization reflects patrilocal household structure and endogamous corporate groups: A model for prehistory. Society for American Archaeology National Meeting, Salt Lake City, Utah, March 2005.

Usher BM, and Allen KL 2005. Identifying kinship clusters: SatScan for genetic spatial analysis. American Association of Physical Anthropologists Annual Meeting, Milwaukee, Wisconsin, April 2005.

Usher BM 2005. Simplifying citations using EndNote. Invited presentation at Associated Colleges of the St. Lawrence Valley Instructional Technology Conference: Electronic Tools for Teaching, Research, and Professional Development, SUNY Canton, March 2005.

Usher BM 2005. How did they live? Using genetics in cemeteries to understand social structure. Invited presentation at the Forelasning I Historisk Osteologi, Archaeology Department, Lund University.

Usher BM 2005. Are they buried as they lived? Using genetics to understand cemetery structure. Invited presentation at Odense Occasional Osteology Seminar no. XII at the University of Southern Denmark, January.

Usher BM 2004. The pros and cons of using a course cartridge. Learning and Teaching Excellence Center's Blackboard Best Practices Workshop in Potsdam, New York, October.

## **PUBLICATIONS continued**

- Usher BM 2003. Using the future to study the past: Handheld computers and Blackboard in student cemetery projects. SUNY Conference on Informational Technology in Potsdam, New York, May.
- Johnson-Weiner K, Usher BM 2003. Buggies on the Information Highway: Blackboard and Long-Distance Collaboration. Presented at SUNY Conference on Informational Technology in Potsdam, New York, May.
- Heimroth A, Ontiveros S, and Usher BM 2003. Maternal and Paternal Lineages in Amish and Mennonite Cemeteries. Northeastern Anthropology Association Annual Meeting, Burlington, Vermont, March.
- Usher BM, Weets JD, Heimroth A, and Elliott E. 2003. Amish cemeteries have a patrilineal genetic spatial pattern: Implications for ancient DNA analyses. American Association of Physical Anthropologists National Meeting in Tempe, Arizona, April.
- Usher BM 2002. Reference collection update and analysis. Presented at Rostock, Germany: 3<sup>rd</sup> Annual Coming to Consensus Workshop, Max Planck Institute for Demographic Research.
- Holman D, Usher BM, Milner G, Boldsen J, and Konigsberg L 2002. An empirical and simulation study of the multivariate latent trait method. Presented at Rostock, Germany: 3<sup>rd</sup> Annual Coming to Consensus Workshop, Max Planck Institute for Demographic Research.
- Usher BM 2002. Current Research on Amish Cemeteries. Ottawa, Ontario: The Discipline Today: 9<sup>th</sup> Annual Carleton-SUNY Potsdam Sociology/Anthropology Conference.
- Johnson-Weiner K, Foulke S, Heisey MJ, and Usher BM. 2002. Amish in Space and Cyberspace: Blackboard as a Collaborative Tool for Authors. Canton, New York: Northeast Region Blackboard Users Conference: Blackboard: Building a Community of Learners.
- Usher BM, Weets JD, and Wanglund C. 2002. Can we determine kinship systems? Testing models of genetic patterns for cemetery analysis. American Journal of Physical Anthropology Supplement 34:159.
- Usher BM, Weets JD. 2001. Paleodemography: A comparison of a Danish medieval cemetery with a modern Amish cemetery. American Journal of Physical Anthropology Supplement 32:153.
- Usher BM, Weets JD. 2001. Modeling familial relationships using an Amish cemetery: Society for American Archaeology Abstracts of the 66th Annual Meeting. New Orleans: Society for American Archaeology, pp. 379.
- Usher BM, Boldsen JL, Holman D. 2000. Age estimation at Tirup Cemetery: An application of the transition analysis method. American Journal of Physical Anthropology Supplement 30:307.
- Usher BM. 1999. The Paleodemography of Tirup Cemetery. Rostock, Germany: Coming to Consensus Workshop, Max Planck Institute for Demographic Research.
- Usher BM, Wood J, Boldsen JL. 1998. Paleodemography and paleopathology: An overview of new method and theory. Rostock, Germany: Social and Biological Determinants of Aging Workshop.
- Usher BM. 1998. A multistate model of health and mortality from skeletal remains. Copenhagen, Denmark: 3rd Nordiske Seminar om Biologisk Antropologi.
- Christensen MN, Usher BM, Boldsen JL. 1998. Growth patterns in premature to 10-year-old children from two medieval sites in Denmark. Jena, Germany: European Anthropological Association Meetings.
- Usher BM, Christensen MN. 1998. Developmental defects of the vertebrae, ribs, and sternum in a young Medieval woman. Jena, Germany: European Anthropological Association Meeting.
- Usher BM, Boldsen JL, Wood JW, Milner GR. 1997. A general approach to the detection of heterogeneity and selective mortality from skeletal lesions. American Journal of Physical Anthropology Supplement 24:230-230.

### **PUBLICATIONS continued**

Milner GR, Boldsen JL, Usher BM. 1997. Age at death determination using revised scoring procedures for age-progressive skeletal traits. *American Journal of Physical Anthropology Supplement* 24:170.

Kieffer-Olsen J, Usher BM, Weets JD. 1997. *The Structure of Medieval Cemeteries*. St. Louis, MO: American Association of Physical Anthropologists National Meetings.

Usher BM. 1996. A test of the thrifty gene hypothesis in the Pima. *American Journal of Physical Anthropology Supplement* 22:233.

#### **Reports**

Cannan, DK., Hirrel LP, Grandine KE, Kuranda KM, Usher BM, McAloon H, Williams M. March 1994. National Historic Context for Department of Defense Installations, 1790 - 1940; Report submitted to U.S. Army Corps of Engineers, Baltimore District.

Grandine KE, Davis TW, Polglase CR, Kuranda KM, Hirrel LP, Dod T, Silva T, Woodard SJ, Usher BM. July 1993 Aberdeen Proving Ground Cultural Resource Management Plan; Report submitted to U.S. Army Corps of Engineers, Baltimore District.

Kuranda KM, Williams M, Usher BM. May 1993. Archival and Architectural Investigations of the Mississippi Basin Model, Clinton, Mississippi; Draft report submitted to U.S. Army Corps of Engineers, Vicksburg District.

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## REFERENCES

### **Dr. Jesper Boldsen**

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### **Dr. Steve Marqusee**

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