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EDUCATION

- 2010 **Ph.D. Sociology**, Duke University (expected May 2010)
Dissertation: "Unthinkable: Mathematics and the Rise of the West"
Committee: Suzanne Shanahan (chair), S. Philip Morgan, Angela O'Rand, Michael Reed
- 2005 **M.A. Sociology**, Duke University
Preliminary Examinations: Demography and Comparative/Historical Sociology
- 2003 **B.A. Philosophy and History of Math and Science**, St. John's College

ADDITIONAL TRAINING

- 2005 Structural Equation Modeling, Duke University. Dr. Scott Lynch (Princeton), instructor.
One week course on structural equation modeling techniques, including confirmatory factor analysis and latent growth curves, using Mplus.

PUBLICATIONS

Burton, L. M. and Whitney Welsh. (in press). "Grandmothers' differential involvement with grandchildren in multiple partner fertility family structures." In *From generation to generation: Continuity and discontinuity in aging families*, edited by M. Silverstein & R. Giarrusso. Baltimore, MD: John Hopkins University Press.

Morgan, S. Philip, Suzanne Shanahan and Whitney Welsh. 2005. "Brave New Worlds: Philosophy, Politics, and Science." *Population and Development Review*, 31(1):127:145.

WORKS IN PROGRESS

C. Y. Tubbs, Linda M. Burton, and Whitney Welsh. "Mental and physical health impacts of intimate partner violence on low-income children: An ethnographic analysis."

Linda M. Burton, Raymond Garrett-Peters, Richard Mora, and Whitney Welsh. "El qué diran' and the Romantic Unions of Low-Income Latina Mothers: An Ethnographic Perspective."

Whitney Welsh and Linda M. Burton. "Heart and Home: Housing and Intimate Relationships among Low-Income Women of Mexican Descent."

Linda M. Burton, Whitney Welsh, and S. Philip Morgan. "Poverty, Family Structure, and Sibling Inequality: Ethnographic Insights on Multi-Partner Fertility and Children's Differential Access to Parents' Resources."

Sherri Lawson Clark and Whitney Welsh. "Poverty, Frequent Mobility, and Family Interactions: An Examination of Residential Mobility among Low-Income Families."

Sherri Lawson Clark and Whitney Welsh. "Residential Mobility: The Impact of Frequent or Forced Mobility on Children's Educational Development." Report to the Center for Housing Policy.

S. Philip Morgan and Whitney Welsh. "Stability and Change in the Digital Terrain: The U.S. 2000-2005."

Whitney Welsh. "The Rationalization of Irrationality: An Exploration of the Common Rhetorical Paradigm in Eugenic and Bioconservative Literature."

S. Philip Morgan and Whitney Welsh. "Contemporary U.S. Fertility Trends and Differentials and an Assessment of the Role of Impaired Fecundity."

PRESENTATIONS

- 2008 L. M. Burton and Whitney Welsh. "Grandmothers' differential involvement with grandchildren in multiple partner fertility family structures." Presented at Gerontological Society of America Annual Meeting. November, National Harbor, MD. Paper.
- 2006 S. Philip Morgan and Whitney Welsh. "Stability and Change in the Digital Divide." Presented at Southern Demographic Association Annual Meeting. November 4, Durham, NC. Paper.
- 2005 S. Philip Morgan and Whitney Welsh. "Contemporary U.S. Fertility Trends and Differentials and an Assessment of the Role of Impaired Fecundity." Presented at NIH conference on Sterility and Infertility. March 10, NIH Campus, Bethesda, MD. Invited paper.

FELLOWSHIPS

- 2009-2010 Kenan Colloquium Fellowship in Ethics, Kenan Institute for Ethics, Duke University.
- 2003-2004 Graduate Award Fellowship, Department of Sociology, Duke University.

TEACHING EXPERIENCE

- Fall 2009 **SOC132A. Methods of Social Research** (Teaching Assistant)
Department of Sociology, Duke University
- Summer 2008 **SOC10D. Sociological Inquiry** (Instructor)
Department of Sociology, Duke University

RESEARCH EXPERIENCE

- Spring 2009 Project: Examining the Intersection of Housing and Intimate Relationships
for Low-Income Women of Mexican Descent.
Research Assistant for Linda Burton, Department of Sociology, Duke
University.
Analyzed data from the Welfare, Children, and Families: A Three City
Study Ethnography using NVivo 7, diagrammed respondents' residential
and relationship trajectories following exit from the natal home, wrote for
publication.
- Summer/
Fall 2008 Project: Is Sibling Inequality Greater in Families Resulting from Multi- or
Single-Partner Fertility?
Research Assistant for Linda Burton, Department of Sociology, Duke
University.
Performed exploratory analysis of data from the Welfare, Children, and
Families: A Three City Study Ethnography and the Family Life Project
Ethnography, reviewed literature on parental differential treatment.
- Spring 2008 Project: Hypermobility among Low-Income Families.
Research Assistant for Sherri Lawson Clark, Center for Social
Demography and Ethnography.
Analyzed data from the Welfare, Children, and Families: A Three City
Study Ethnography using NVivo 7, compiled residential histories for 197
families, identified reasons for residential mobility.
- Summer/
Fall 2007 Project: Duke Dating Survey
Research Assistant for S. Philip Morgan, Department of Sociology, Duke
University.
Set up online survey using ViewsFlash, followed up via email with
participants who submitted erroneous UniqueIDs to ensure compensation.
- Spring/
Summer 2006 Project: Mapping the Digital Divide in Blau Space.
Research Assistant for S. Philip Morgan, Department of Sociology, Duke
University.

Performed logistic regressions, generated 3-d graphs of the results from the preferred model, analyzed changes in internet users over 6 years' time.

Summer/
Fall 2005

Project: Comparing Marital Outcomes in Blau Space.
Research Assistant for S. Philip Morgan, Department of Sociology, Duke University.
Reviewed Blau Space/ecology of affiliation literature, graphed marital outcomes against demographic variables in 2- and 3-dimensional Blau Space, calculated niches, analyzed niche overlap.

Summer 2005

Project: Probing Steven Levitt's Causal Linkage between the Legalization of Abortion and Reduced Crime Rates.
Research Assistant for S. Philip Morgan, Department of Sociology, Duke University.
Compiled data on national and state-level crime, birth, and abortion statistics from FBI, NCHS, and US Census records for a 40-year period, replicated Levitt's results, generated and compared figures, explored alternate hypotheses.

Spring 2005

Project: Exploring Contemporary American Fertility Trends.
Research Assistant for S. Philip Morgan, Department of Sociology, Duke University.
Compiled fertility and demographic data from NCHS, generated figures.

Summer 2004-
Spring 2005

Project: Review of Leon Kass from a Demographer's Perspective.
Research Assistant for S. Philip Morgan, Department of Sociology, Duke University.
Reviewed and analyzed Leon Kass's body of work, wrote for publication.

Summer 2002

Project: Ocean Portable Hyperspectral Imager for Low-Light Spectroscopy (Ocean PHILLS).
Project Website: <http://rsd-www.nrl.navy.mil/7230/phills.htm>.
Internship with Dr. William A. Snyder, Coastal and Ocean Sensing Branch, Remote Sensing Division, U.S. Naval Research Laboratory.
Calibrated data, recorded and tested ground control points using ENVI and IDL software, calculated time offsets between sensor and c-midgets data, geocorrected images, constructed maps from USGS satellite images.