

J Benjamin McMahan [Ben]
University of Arizona Dept of Anthropology
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EDUCATION

- PhD Program in Sociocultural Anthropology – University of Arizona – Ongoing
Major Advisor: Dr. Mark Nichter
- MS Sociocultural Anthropology – Idaho State University – May 2004
Tuberculosis and HIV/AIDS: Mapping the Social Topographies of Disease and Illness in New York City, NY. *Masters Thesis* Defended April 2004. Idaho State University: Pocatello.
Major Advisor: Dr. Elizabeth Cartwright
- Post Baccalaureate Certificate in Geosciences – May 2002
- BA Cultural Anthropology – University of Nebraska Lincoln – August 2000
Minors: Biology, History, Fine-Arts Photography

RESEARCH INTERESTS

Risk perception/communication; GIS, RS, and cartographic applications for cultural/medical anthropology; participatory GIS; public health; human rights and structural violence; political ecology; policy; urban anthropology; anthropological theory; history; ethnography; film/video methods for anthropology/ethnography

EMPLOYMENT AND RESEARCH

- Feb 2006 – June 2006 *Graduate Teaching Assistant*
University of Arizona Dept. of Anthropology
Instructor of Record: Dr. Mark Nichter
- Aug 2005 – Present *Graduate Research Assistant*
University of Arizona Dept. of Anthropology: Bureau of Applied Research in Anthropology
Supervisor: Dr. Diane Austin
Responsibilities: Project coordination, technical/professional writing, participant observation, intern coordination and supervision
- June 2004 – Jan 2005 *Research Associate*
Idaho State University Department of Anthropology: Office of Anthropological Research
Supervisor: Dr. Anthony Stocks
Responsibilities: Research design and implementation, GIS and remote sensing analysis, technical report and publication writing, fieldwork in and around the Bosawas International Biosphere Reserve - Nicaragua
- Jan 2004 – Jan 2005 *Research Associate / Research Statistician*
Hispanic Health Projects (HHP) – ISU Department of Anthropology
Supervisor: Dr. Elizabeth Cartwright
Responsibilities: Database design and implementation for diabetes, HIV/AIDS, and cancer research projects, statistical analysis and data summary, film projects
- May 2003 – Fall 2003 *GIS-Mapping and Epidemiological Statistics for Phillipe Bourgois and Dan Ciccarone (UCSF)*
- Jan 2001 – Mar 2004 *Research Assistant / GIS and Remote Sensing Analyst*
ISU Department of Geosciences GIS Training and Research Center (ISU GIS TReC)
Supervisors: Dr. Nancy Glenn and Keith Weber
Responsibilities: GIS / Remote Sensing analysis, technical writing, research publication and presentation, teaching assistance for 2-3 classes/semester, research design/implementation

- Aug 2002 – Dec 2002 *Volunteer for the Pocatello Parks and Recreation Department*
- Jan 2001 – Sep 2001 *Volunteer for the Pocatello Zoo*

PROFESSIONAL ASSOCIATIONS

American Anthropological Association, Society for Applied Anthropology, Society for Cultural Anthropology, Society for Medical Anthropology

SELECTED PRESENTATIONS

McMahan, Ben

- 2003 TB and HIV / AIDS: Mapping the Social Topographies of Disease and Illness. Paper presented at the American Anthropological Association Meetings, Chicago, IL, November 19-23, 2003.

Cartwright, Elizabeth, and Ben McMahan

- 2003 Action Anthropology and Social Justice: At What Level Intervention? (presented by McMahan). *Paper* presented at the American Anthropological Association Meetings, Chicago, IL, November 19-23, 2003

McMahan, Ben

- 2002 Preliminary MS Thesis Research Presentation. Idaho State University Department Colloquium, Pocatello, ID, April 19, 2002.

McMahan, John Benjamin, et. al.

- 2001-2003 5 professional papers presented as part of the ISU Land Cover Change, Wildfire Effects on Rangeland Ecosystems, and Invasive Species Monitoring Projects.

REFEREED PUBLICATIONS

McMahan, John Benjamin, K.T. Weber, and J.B. Sauder

- 2002 Using Remotely Sensed Data in Urban Sprawl and Green Space Analyses. *Intermountain Journal of Science* 8:1.

Weber, K. T., J. B. McMahan, and G. P. Russell. 2004. *Effect Of Livestock Grazing And Fire History On Fuel Load In Sagebrush-Steppe Rangelands*. *Intermountain Journal of Sciences*. 10(1-4):1-7.

Sauder, J., J. B. McMahan, and K. T. Weber, 2003. *Fuzzy Classification of Heterogeneous Vegetation in a Complex Arid Ecosystem* (*African Journal of Range and Forage Science*, 20(2)).

PROFESSIONAL POSTERS AND ABSTRACTS

Ciccarone, Dan, Ben McMahan, and Phillippe Bourgois

- 2004 Black Tar Heroin Use May Explain Lower HIV Prevalence among Injection Drug Users in the Western United States. *Poster* Presented at the 15th International AIDS Conference, Bangkok, Thailand. July 11-16, 2004.

McMahan, Ben

- 2003 TB and HIV / AIDS: Mapping Disease and Illness in New York City, NY. *Poster* presented at the Kasiska College of Health Professions Conference, Pocatello, ID. Oct 2003.

McMahan, Ben

- 2003 TB and HIV / AIDS: Intersecting Epidemiology and Anthropology Using GIS Technology. *Poster* presented at the ESRI International Health GIS Users Conference, Arlington, VA. May 4-7, 2003.

McMahan, John Benjamin, et al.

- 2001 – 2003 10 professional posters as part of work on ISU Land Cover Change, Wildfire Effects on Rangeland Ecosystems, and Invasive Species Monitoring Projects.

TECHNICAL DOCUMENTS AND PROJECT REPORTS

Stocks, Anthony., Ben McMahan, and Peter Taber

2004 Final Report: Use of Remote Sensing Data to Compare the State of the Forest Under Indigenous and mestizo Management In the Area of the Bosawas International Biosphere Reserve, Nicaragua. Nature Conservancy / Idaho State University Joint Research Project.

FILMS

McMahan, Ben

2003 Two Barriers – Rivers and Railroads in a Western Town. *Short Film* presented at the Idaho “Spud-Dance” Independent Film Festival, Dec 17, 2003.

MANUSCRIPTS (in progress)

Stocks, Anthony, Benjamin McMahan, and Peter Taber

2006 Beyond the Map: Indigenous and Colonist Impacts and Territorial Defense in Nicaragua’s BOSAWAS Biosphere Reserve. In Review Spring 2006.

McMahan, Benjamin

2004 Correlating Spatial Patterns of TB and HIV / AIDS with Spatial Patterns of Structural Violence in NYC: Implications for Medical Anthropology. To be submitted Spring 2006.

LANGUAGES

- 4 years of college Spanish and 1 month Spanish language immersion school

TECHNICAL SKILLS

Geographic Information Systems (GIS) Mapping, Statistics/Spatial Statistics, Remote Sensing, Epidemiological Mapping/Analysis, 35mm / Digital Photography, Digital Video, Film and Photo Editing Software, Most Graphic Design Software, Elementary Visual Basic, HTML/Web Design

SELECTED SOFTWARE

GIS/Remote Sensing : ESRI-ArcVIEW /MAP/INFO, ENVI, ERDAS Imagine, Idrisi32

Statistics/DB : MATLAB, SPSS, Minitab, MS Access, Statview, Geostatistical Analyst

Photo/Video/Web : Final Cut Pro, Photoshop/Illustrator, Paint Shop Pro, Corel Suite, html, xml

PAST/PRESENT REFERENCES (current phone/email available on request)

Dr. Mark Nichter, PhD Advisor, UA

Dr. Diane Austin, BARA, UA

Dr. Elizabeth Cartwright, MS Thesis Advisor, ISU

Dr. Anthony Stocks, Emeritus - ISU Anthropology

Dr. Patrick Lang, ISU Mathematics Professor

Dan Ciccarone, MD/MPH, UCSF

Dr. Robert Hitchcock, UNL Dept of Anthropology