

MATTHEW G. HILL
Curriculum Vitae

CONTACT INFORMATION:

Department of Anthropology
324 Curtiss Hall
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RESEARCH INTERESTS:

late Pleistocene-early Holocene prehistory of North America, especially the Great Plains and Upper Mississippi River Valley; hunter/gatherer diet and subsistence behavior; zooarchaeology; vertebrate taphonomy in recent and ancient contexts; archaeological method and theory; human paleoecology

EDUCATION:

- 2001 Ph. D., Anthropology (minor, geography), University of Wisconsin, Madison, WI.
Dissertation title: *Paleoindian Diet and Subsistence Behavior on the Northwestern Great Plains of North America*. (Henry T. Bunn, dissertation chair and advisor)
- 1994 M.A., Anthropology, University of Wyoming, Laramie, WY.
Thesis title: *Subsistence Strategies by Folsom Hunters at Agate Basin, Wyoming: A Taphonomic Analysis of the Bison and Pronghorn Assemblages*. (George C. Frison, thesis chair and advisor)
- 1991 B.A., Geography (minor, anthropology) University of Wisconsin - La Crosse, La Crosse, WI.
(James L. Theler, advisor)

EMPLOYMENT HISTORY

- 2003- Assistant Professor, and Director, Iowa State University Archaeology Laboratory,
Department of Anthropology, Iowa State University, Ames, IA
- 2005- Interdepartmental Graduate Program in Ecology & Evolutionary Biology, Iowa State
University, Ames, IA
- 2002-3 Lecturer, Department of Anthropology, Iowa State University, Ames, IA
- 2001- Affiliate, Department of Anthropology, Colorado State University, Fort Collins, CO
- 2002 (SP) Lecturer, Department of Anthropology, Colorado State University, Fort Collins, CO
- 2002 (SP) Lecturer, Department of Anthropology, University of Wyoming, Laramie, WY
- 1996-99 Visiting Scholar, George C. Frison Institute of Archaeology and Anthropology,
Department of Anthropology, University of Wyoming, Laramie, WY

AWARDS, GRANTS, & FELLOWSHIPS:

1. 2005 \$750⁰⁰ *Use-Wear Analysis of Chipped Stone Tools from the O.V. Clary and Clary Ranch Sites, Garden County, Nebraska*. Small Grant, College of Liberal Arts and Sciences, Iowa State University, Ames, IA.
2. 2005 \$13,000⁰⁰ *Late Paleoindian Diet and Subsistence Behavior and the Intensification of Bison on the Great Plains of North America*. National Geographic Society, Committee on Research and Exploration, Washington, D.C.
3. 2004 \$250⁰⁰ *Laboratory Equipment (Illuminated Magnifier)*. Small Grant, College of Liberal Arts and Sciences, Iowa State University, Ames, IA.
4. 2004 \$76,404⁰⁰ *Multidisciplinary Investigations on Human Response to Abrupt Climate Change: Deciphering the Context of Shifts in Late Paleoindian Behavior*,

- Clary Ranch Site, Western Nebraska.* National Science Foundation, Washington, D.C.
5. 2004 \$16,000⁰⁰ *Human Response to Abrupt Climate Change: Deciphering the Environmental Context of Shifts in Paleoindian Utilization of Bison at the Clary Ranch Site, Western Nebraska.* College of Liberal Arts and Sciences, Iowa State University, Ames, IA.
 6. 2004 \$1000⁰⁰ *Investigation of Barn Owl Roosts on the Clary Ranch, Western Nebraska* (for Frank Maistrovich). Alfred Mueller Honors Research Fund, University Honors Program, Iowa State University, Ames, IA.
 7. 2003 \$700⁰⁰ Grantsmanship Support. Office of the Vice Provost for Research and Advanced Studies, Iowa State University, Ames, IA
 8. 2003 \$600⁰⁰ *An AMS Radiocarbon Date on Bison Bone from the Clary Ranch Site, Garden County, Nebraska.* Small Grant, College of Liberal Arts and Sciences, Iowa State University, Ames, IA.
 9. 2003 \$2600⁰⁰ Publication Subvention Grant. Office of the Vice Provost for Research and Advanced Studies, Iowa State University, Ames, IA.
 10. 1999 \$500⁰⁰ *Agate Basin Site Zooarchaeology.* George C. Frison Institute of Archaeology & Anthropology, Department of Anthropology, University of Wyoming, Laramie, WY.
 11. 1998 \$900⁰⁰ *Variability in Paleoindian Subsistence: Continued Study of the Clary Ranch Bison Assemblage.* Sigma Xi, Research Triangle Park, NC.
 12. 1998 \$10,000⁰⁰ *"Pure" Paleoindian Contexts in Western Wisconsin: The Gail Stone and Morrow-Hensel Fluted Point Sites.* State Historical Society of Wisconsin, Madison. With R.F. Boszhardt and D.S. Amick.
 13. 1996 \$300⁰⁰ *Zooarchaeology of the Clary Ranch (25GD106) Bison Assemblage.* The Graduate School, University of Wisconsin, Madison.
 14. 1994 \$300⁰⁰ *Reexamination of the Agate Basin Site, Wyoming, Faunal Assemblages.* The Graduate School, University of Wyoming, Laramie.
 15. 1993 \$3000⁰⁰ *Reevaluation of the San Jon Site, New Mexico.* Ten-Week Graduate Research Fellowship, Smithsonian Institution, National Museum of Natural History, Department of Anthropology, Washington, D.C.
 16. 1992 \$350⁰⁰ *The Casper Site Bison Radii and Calcanea: Directions for Future Research.* George C. Frison Memorial Scholarship, Wyoming Archaeological Society, Rawlins.

CULTURAL RESOURCES MANAGEMENT (CRM) AWARDS:

- | | | |
|-------|------------------------|---|
| 2005* | \$28,994 ⁰⁰ | 4 projects for federal, state, and county agencies, and private companies. |
| 2004 | \$28,912 ⁰⁰ | 14 projects for federal, state, and county agencies, and private companies. |
| 2003 | \$9,569 ⁰⁰ | 6 projects for federal, state, and county agencies, and private companies. |

*7/1/05 to 8/1/05

MONOGRAPHS:

1. 2005 **Hill, M.G.** *Paleoindian Diet and Subsistence Behavior on the Northwestern Great Plains.* University Press of Colorado, Boulder. Under contract.
2. 2001 **Hill, M.G.** *Paleoindian Diet and Subsistence Behavior on the Northwestern Great Plains of North America.* UMI Dissertation Services, Ann Arbor, MI.

EDITED BOOK ARTICLES:

1. 2006 The Locality V Cody Complex Component. In *The Hell Gap Site*, edited by M. Kornfeld, M. L. Larson, and George C. Frison. 20 pages plus figures and tables.
2. 1998 **Hill, M.G.** Silver Mound. In *Archaeology of Prehistoric Native America: An Encyclopedia*, edited by G. Gibbon, pp. 769-770. Garland Publishing, New York.
3. 1997 Todd, L.C., **M.G. Hill**, D.J. Rapson, and G.C. Frison. Cutmarks, Impacts, and Carnivores at the Casper Site Bison Bonebed. In *Proceedings of the 1993 Bone Modification Conference, Hot Springs, South Dakota*, edited by L.A. Hannus et al., pp. 136-157. Archeology Laboratory, Augustana College, Sioux Falls, South Dakota, Occasional Paper No. 1.
4. 1996 **Hill, M.G.** Size Comparison of the Mill Iron Site Bison Calcanea. In *The Mill Iron Site*, edited by G.C. Frison, pp. 231-237. University of New Mexico Press, Albuquerque.

REFERRED JOURNAL ARTICLES:

1. 2005 **Hill, M.G.** Late Paleoindian (Allen/Frederick Complex) Subsistence Activities at the Clary Ranch Site, Ash Hollow, Garden County, Nebraska. *Plains Anthropologist* 50:
2. 2005 **Hill, M.G.**, and L. Van Gorden. A Knife River Flint Clovis Point from St. Charles County, Missouri. *Central States Archaeology Journal* 52:114-115.
3. 2002 **Hill, M.G.**, M.E. Hill, Jr., D.W. May, T.P. Myers, D.J. Rapson, F. Sellet, J.L. Theler, L.C. Todd. Paleoindian Subsistence Behavior at the Clary Ranch Site, Nebraska, USA. *Antiquity* 76:311-312.
4. 2002 **Hill, M.G.**, M.E. Hill, Jr., D.W. May, T.P. Myers, D.J. Rapson, F. Sellet, J.L. Theler, L.C. Todd. 2001 Investigations at the Clary Ranch site, Nebraska. *Current Research in the Pleistocene* 19:32-34
5. 2002 Hill, M.E., Jr., and **M.G. Hill**. Season of Bison Mortality at the Jurgens Site, Weld County, Colorado. *Current Research in the Pleistocene* 19:104-106
6. 2002 Knell, E.J., **M.G. Hill**, A. Izeta, M. Kornfeld, C.V. Haynes, Jr., and G.C. Frison. The Cody Complex Component at Locality V of the Hell Gap site, Wyoming. *Current Research in the Pleistocene* 19:49-52.
7. 1999 **Hill, M.G.**, R.F. Boszhardt, D.S. Amick, and T.J. Loebel. Preliminary Report on the Gail Stone Fluted Point Site (47 TR 351), Trempealeau County, Western Wisconsin. *Current Research in the Pleistocene* 16:33-35.
8. 1999 Hensel, K.C., D.S. Amick, T.J. Loebel, and **M.G. Hill**. Morrow-Hensel: A New Fluted Point Site in Far Western Wisconsin. *Current Research in the Pleistocene* 16:25-27.
9. 1999 **Hill, M.G.**, and M. Kornfeld. Inferring Season of Kill for a Cody-Complex Bison Bonebed in Middle Park, Colorado. *Current Research in the Pleistocene* 16:30-32.
10. 1998 **Hill, M.G.**, D.S. Amick, and T.J. Loebel. An Inventory of Wisconsin Paleoindian Projectile Points at the Milwaukee Public Museum. *Current Research in the Pleistocene* 15:18-20.
11. 1998 Niven, L.B., and **M.G. Hill**. Season of Bison Mortality at Three Plains Archaic Kills in Wyoming. *Plains Anthropologist* 43:5-26.
12. 1997 **Hill, M.G.**, M.E. Hill, Jr., T.P. Myers, D.C. Jones, and N.M. Waguespack. Preliminary Observations on Late Paleoindian Bison Butchery at the Clary Ranch Site (25 GD 106), Western Nebraska. *Current Research in the Pleistocene* 14:34-37.
13. 1995 **Hill, M.G.**, V.T. Holliday, and D.J. Stanford. A Further Evaluation of the San Jon Site, New Mexico. *Plains Anthropologist* 40:369-390.
14. 1994 **Hill, M.G.**, V.T. Holliday, and D.J. Stanford. Reinvestigations at the San Jon Site, New Mexico. *Current Research in the Pleistocene* 11:35-37.

15. 1994 Theler, J.L., R.F. Boszhardt, **M.G. Hill**, and D.G. Wilder. The Rud Bison Site: A *Bison bison occidentalis* Locality in Western Wisconsin. *Current Research in the Pleistocene* 11:98-99.
16. 1994 **Hill, M.G.** Paleoindian Projectile Points from the Vicinity of Silver Mound (47JA21), Jackson County, Wisconsin. *Midcontinental Journal of Archaeology* 19:223-259.
17. 1993 **Hill, M.G.** A Record of Paleoindian Occupation in North-Central Wisconsin. *Current Research in the Pleistocene* 10:21-23.

BOOK REVIEWS:

1. 2006 **Hill, M.G.** Review of *The Burnham Site in Northwestern Oklahoma: Glimpses Beyond Clovis?* by edited by Don G. Wyckoff, James L. Theler, and Brian J. Carter (2003), Sam Noble Oklahoma Museum of Natural History, Norman, Oklahoma, i-viii + 315 pp. *Geoarchaeology: An International Journal* 21:125-127.

MASTER'S THESIS COMMITTEE CHAIR ^(c) OR MEMBER ^(m):

- ^cBranden Scott, M.A., 2006 (expected), Department of Anthropology, Iowa State University.
Thesis title: *Organization of Oneota Lithic Technology at the Mohler Farm Site, Dawson County, Iowa.*
- ^cJeremy Hall, M.A., 2006 (expected), Department of Anthropology, Iowa State University.
Thesis title: *Oneota Exploitation of Bison and Elk at the Howard Goodhue Site, Polk County, Iowa.*
- ^cAdam C. Holven, M.A., 2005 (expected), Department of Anthropology, Iowa State University.
Thesis title: *A GIS Investigation of Paleoindian Site Structure at the Clary Ranch Site, Garden County, Nebraska.*
- ^cErik Otarola-Castillo, M.A., 2005 (expected), Department of Anthropology, Iowa State University.
Thesis title: *Oneota Faunal Exploitation in Central Iowa: A Reexamination of the Archaeofaunas from the Clarkson and Cribb's Crib Sites.*
- ^mAndrea Socha, M.A., 2006, Department of Anthropology, Iowa State University.
Thesis title: *Habitat Use and Nesting Ecology of Savanna Chimpanzees in Southeastern Senegal.*
- ^mStephanie L. Bogart, M.A., 2005, Department of Anthropology, Iowa State University.
Thesis title: *Insectivory, Termite Diversity, and Tool Use of the Fongoli Chimpanzees, Senegal, West Africa.*
- ^mPaul Burnett, M.A., 2005, Department of Anthropology, Colorado State University.
Thesis title: *Surface Lithic Scatters in the Central Absarokas of Wyoming.*
- ^mKristina Walkup, M.A., 2004, Department of Anthropology, Iowa State University.
Thesis title: *A Comparison of Captive Japanese Macaques.*
- ^mBenjamin Hoksbergen, M.A., 2004, Department of Anthropology, Iowa State University.
Thesis title: *A Study of Prehistoric Lithic Raw Material Procurement Strategies in the Upper South Skunk River Valley.*
- ^mScott Slessman, M.A., 2004, Department of Anthropology, Colorado State University.
Thesis title: *The Frazier Site: an Agate Basin Occupation and Lithic Assemblage on the Kersey Terrace, Northeastern Colorado.*
- ^mOskar Burger, M.A., 2002, Department of Anthropology, Colorado State University.
Thesis title: *A Multi-Scale Perspective for Archaeological Survey.*

PROFESSIONAL SERVICE:

Peer reviewer

American Antiquity – 2005 (1)

Geoarchaeology: An International Journal – 2004 (1)

Journal of Archaeological Science – 2005 (1), 2003 (1), 2001 (1)

Journal of Taphonomy – 2004 (1)

Plains Anthropologist – 2003 (2), 2000 (1)

NSF Archaeology Program – 2005 (1), 2004 (1), 2003 (1)

Other – 2004 (1)

2004-06 Committee Member (voting), *National Register of Historic Places Nominations Review Committee* (for the State of Iowa). State Historical Society of Iowa, Department of Cultural Affairs, Des Moines, IA.

UNIVERSITY SERVICE:

2005-2008 Faculty Development Committee (College of LAS).

2002-2004 Faculty advisor, Anthropology Club.

SOCIETY & ORGANIZATION MEMBERSHIPS:

Society for American Archaeology

Plains Anthropological Society

Wisconsin Archeological Society

Iowa Archaeological Society

Nebraska Academy of Sciences

RECENT COLLABORATORS:

Dr. Daniel S. Amick, Loyola University, Chicago, IL

Mr. Robert F. Boszhardt, Mississippi Valley Archaeology Center, La Crosse, WI

Mr. Matthew E. Hill, Jr., Environmental Planning Group, Tucson, AZ

Dr. A. Hope Jahren, Johns Hopkins University, Baltimore, MD.

Mr. Edward J. Knell, Washington State University, Pullman, WA

Dr. Jason M. LaBelle, Colorado State University, Ft. Collins, CO.

Dr. Thomas J. Loebel, University of Illinois-Chicago, Chicago, IL

Dr. David W. May, University of Northern Iowa, Cedar Falls, IA

Dr. German Mora, Iowa State University, Ames, IA.

Dr. Thomas P. Myers, Nebraska State Museum, Lincoln, NE

Dr. Laura B. Niven, University of Tübingen, Tübingen, Germany

Dr. David J. Rapson, University of Wyoming, Laramie, WY

Dr. Holmes A. Semken, University of Iowa, Iowa City, IA.

Dr. Donna M. Surge, University of North Carolina, Chapel Hill, NC.

Dr. James L. Theler, University of Wisconsin - La Crosse, La Crosse, WI

Dr. Lawrence C. Todd, Colorado State University, Ft. Collins, CO

MUSEUM-BASED RESEARCH ON EXTANT FAUNAL COLLECTIONS:

- 1991 University of Wyoming
Glenrock site, WY
Wardell site, WY
- 1992 University of Wyoming
Agate Basin site, WY
Casper site, WY
Bison comparative collection
- Nebraska State Museum
Lipscomb site, TX
Scottsbluff site, NE
- 1993 University of Wyoming
Agate Basin site, WY
Casper site, WY
Hawken site, WY
- National Museum of Natural History
Frasca site, CO
Hudson-Meng site, NE
Lindenmeier site, CO
San Jon site, NM
- 1994 University of Wyoming
Agate Basin site, WY
Big Goose Creek site, WY
Buffalo Creek site, WY
Casper site, WY
Cordero Mine site, WY
Mill Iron site, MT
Hawken site, WY
Lodgepole Creek site, WY
- University of Iowa
Cherokee Sewer site, IA
- 1995 University of Wyoming
Agate Basin site, WY
Glenrock site, WY
Rourke site, WY
- Nebraska State Museum
Clary Ranch site, NE
- 1996 University of Wyoming
Agate Basin site, WY
- Nebraska State Museum
Clary Ranch site, NE
- 1997 University of Wyoming
Agate Basin site, WY
- Nebraska State Museum
Clary Ranch site, NE
- 1998 University of Wyoming
Agate Basin site, WY
Jerry Craig site, CO
- Milwaukee Public Museum
Interstate Park site, WI
- Nebraska State Museum
Clary Ranch site, NE
- Utah Museum of Natural History
Pine Spring site, WY
- 1999 University of Wyoming
Agate Basin site, WY
Hell Gap site, WY
River Bend site, WY
- Nebraska State Museum
Clary Ranch site, NE
- 2004 Milwaukee Public Museum
Interstate Park site, WI