

## **Curriculum Vitae**

Dr. Paul G. Marr

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### **Current Position**

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|---|-------------------------|
| Professor                                 | Ph: (717) 477-1656      |
| Department of Geography and Earth Science | Fax: (717) 477-4029     |
| Shippensburg University                   | Email:pgmarr@ship.edu   |
| Shippensburg, Pennsylvania 17257          | Office:Shearer Hall 110 |

### **Education**

|   |                                 |
|---|---------------------------------|
| <b>Doctor of Philosophy</b><br>(Geography)              | 1995, University of Denver      |
| <b>Master of Science</b><br>(Interdisciplinary Studies) | 1989, University of North Texas |
| <b>Bachelor of Arts</b><br>(Anthropology)               | 1985, University of North Texas |

### **Professional Experience**

|           |   |
|-----------|---|
| 1996-p    | Faculty Member<br>Department of Geography-Earth Science<br>Shippensburg University  |
| 1995-1996 | GIS Coordinator<br>Technical Services Division<br>U.S. EPA Region 8   |
| 1991-1995 | Environmental Protection Specialist<br>Office of Strategic Integration<br>U.S. EPA Region 8   |
| 1987-1990 | Research Assistant<br>Center for Remote Sensing and Land Use Analysis<br>Institute of Applied Sciences<br>University of North Texas |

### **Courses Taught (\* Currently teaching)**

|          |   |
|----------|---|
| GEO 101* | World Geography   |
| GEO 308* | Geography of Latin America                                  |
| GEO 310  | Transportation Geography                                    |
| GEO 320* | Historical Geography  |
| GEO 402* | Medical Geography   |
| GEO 420a | Introduction to Geographic Information Systems              |
| GEO 420b | Advanced Geographic Information Systems                     |
| GEO 441* | Quantitative Methods  |
| GEO 450  | Geography of Michoacán, Mexico (International field course) |
| GEO 450* | Geography of Northern Chile (International field course)    |
| GEO 530  | Mapping Sciences (Graduate)                                 |
| GEO 532* | Disease and the Environment (Graduate)                      |
| GEO 594  | Selected Topics: Transport Methods (Graduate)               |

### ***Special Appointments and Service***

|           |  |
|-----------|--|
| 2005-p    | Board Member, Middle State Division AAG  |
| 2010-p    | Board Member, International Society for Landscape, Place, and Material Culture |
| 2011-p    | Co-editor, Middle States Geographer journal                                    |
| 2010-p    | Editor, Int'l Society for Landscape, Place, and Material Culture: PAST journal |
| 2011-2012 | President, Middle State Division AAG   |
| 2000-2003 | Director of International Studies Minor, Shippensburg University               |
| 2000      | Scholar in Residence, Pennsylvania Historical and Museum Commission            |

### ***Publications***

Tucker, Mark, Lara Homsey-Messer, Paul Marr, and John Wah. Lithologic Characteristics of the Snaggy Ridge Rhyolite at South Mountain, Pennsylvania, and its implications for Native American lithic manufacture and quarrying activity. (In preparation).

Marr, Paul. 2020. South Mountain Prehistoric Metarhyolite Quarrying, A Geographical Perspective. *Archaeology of North Eastern America*. 48:139-156.

Marr, Paul. 2020. The Green Cabin prehistoric metarhyolite quarry site (36AD0569), South Mountain, Pennsylvania. *The Geographical Bulletin*. 61(1):19-28.

Marr, Paul and John Wah. 2019. Assessing the accuracy of using LiDAR to visually detect charcoal hearth platforms. *Archaeology of North Eastern America*. 47:5-62.

Marr, Paul. 2018. Mapping the prehistoric metarhyolite quarry site 36AD0201 on Pennsylvania's South Mountain. *Middle States Geographer*. 51:46-55.

Marr, Paul and John Wah. 2018. South Mountain's prehistoric cultural landscape. *PAST: Transactions of the International Society for Landscape, Place, and Material Culture*. 41: 45-72.

Marr, Paul and John Wah. 2017. Michaux Forest Archaeological Predictive Model: Final Report. *South Mountain Partnership Program*.

Marr, Paul and Claire Jantz. 2014. The distribution and forms of rural gasoline stations in south-central Pennsylvania. *PAST: Transactions of the International Society for Landscape, Place, and Material Culture*. 37: 71-84.

Marr, Paul. 2013. Technology, labor, and the collapse of the Chilean nitrate industry. *The Middle States Geographer*. 46: 19-26.

Marr, Paul. 2012. The geography of the British Motorcycle industry, 1896-2004. *The Journal of Transport History*. 33(2): 163-185.

Warfel, Stephen and Paul Marr. 2010. The discovery of Fort Morris, Shippensburg, Pennsylvania. *Pennsylvania Archaeologist*. 80(2): 1-29.

Marr, Paul. 2010. In search of Fort Morris. *Material Culture*. 42(1): 70-83.

Jantz, R.L., P.G. Marr, and C.A. Jantz. 2010. Body proportions in recent Native Americans: Colonization history vs. eco-geographical patterns. In: *Human Variation in the New World: a Meeting of Archaeology and Biological Anthropology*. Edited by Benjamin M. Auerbach. Center for Archaeological Investigations Occasional Paper Series. Pgs 292-310.

Ross, Michael and Paul Marr. 2008. Socioeconomic conditions on the Pennsylvania frontier: The Germans and Scots-Irish of Cumberland County, 1765-1775. *The Middle States Geographer*. 41: 1-8.

Marr, Paul and Kurt Fuellhart. 2008. A transportation assessment of the warehousing and trucking industries in Franklin and Cumberland counties, Pennsylvania. *The Pennsylvania Geographer*. 46(1): 3-34.

Marr, Paul, Scott Drzyzga, George Pomeroy, and James Biles. 2008. *Economic and Transportation Impact of Warehousing on Rural Pennsylvania*. Center for Rural Pennsylvania, Harrisburg, PA. 170p.

Marr, Paul and John Burchette. 2008. The Wiconisco canal revisited: An examination of the 1879 Wiconisco canal survey map book. *Canal History and Technology Proceedings*. 27: 5-26.

Marr, Paul. 2007. Ghosts of the Atacama: The abandonment of nitrate mining in the Tarapacá region of Chile. *The Middle States Geographer*. 40: 22-31.

Jantz, Claire and Paul Marr. 2007. Gentrification and neighborhood dynamics in Harrisburg, Pennsylvania. *The Middle States Geographer*. 40: 68-77.

Fuellhart, Kurt and Paul Marr. 2007. Economic impacts of trucking and warehousing in south-central Pennsylvania. *The Pennsylvania Geographer*. 45(2): 85-103.

Marr, Paul and Christopher Sutton. 2007. Changes in accessibility in the Meseta Purépecha region of Michoacán, Mexico: 1940 - 2000. *Journal of Transport Geography*. 15(6): 465-475.

Marr, Paul. 2007. The King's highway to Lancaster: A graph-theory analysis of colonial Pennsylvania's road network. *Journal of Transport History*. 28(1): 1-20.

Marr, Paul. 2006. Using burying grounds to reconstruct the early demographics of Franklin County, Pennsylvania. *The Middle States Geographer*. 39: 93-100.

Ragone, Agnes and Paul Marr. 2006. Language maintenance in the Meseta Purépecha region of Michoacán, Mexico. *Anthropological Linguistics*. 48(2): 109-131.

Fuellhart, Kurt and Paul Marr. 2006. Geographic and Economic Assessment of Trucking and Warehousing in South-Central Pennsylvania, Part I: Economic Assessment and Impacts. *Center for Land Use*. Shippensburg University.

Marr, Paul and Kurt Fuellhart. 2006. Geographic and Economic Assessment of Trucking and Warehousing in South-Central Pennsylvania, Part II: Transportation Assessment and Site Analyses. *Center for Land Use*. Shippensburg University.

Marr, Paul and Eric Mock. 2005. Warehousing in South-Central Pennsylvania's I-81 corridor: A case study of Exit 29. *The Pennsylvania Geographer*. 43(1): 1-18.

Marr, Paul. 2005. The Wiconisco canal. *Canal History and Technology Proceedings*. 24: 5-21.

Marr, Paul and Christopher Sutton. 2004. Impacts of transportation changes on the wood-working industry of Mexico's Purépecha region. *The Geographical Review*. 94(4): 440-461.

Marr, Paul. 2004. Reconstructing the demographics of Cumberland County: 1750-1800. *Cumberland County History*. 21(2): 50-61.

Marr, Paul and Christopher Sutton. 2004. Demographic changes in the Purépecha region of Michoacán, Mexico: 1970 - 2000. *The Journal of Latin American Geography*. 3(1): 52-66.

Marr, Paul. 2004. Finding Fort Morris. *Middle States Geographer*. 37: 45-52.

Marr, Paul and Matthew Martin. 2003. West Nile virus in southeastern Pennsylvania, 2001-2002. *The Pennsylvania Geographer*. 41(1): 3-20.

Marr, Paul. 2003. The geography of warehousing and distribution in south-central Pennsylvania. *Middle States Geographer*. 36:56-65.

Marr, Paul. 2003. "Aquí hacemos de la madera el canto...": The guitar makers of Paracho. *Scholars*. Spring, Vol. 9(1): 6-11.

Marr, Paul. 2002. Shippensburg and the development of overland transportation in the Cumberland Valley, Pennsylvania in the 1700s. *Middle States Geographer*. 35:101-109.

Marr, Paul. 2001. Commodity flow on the Pennsylvania Mainline canal. *Canal History and Technology Proceedings*. 21:107-125.

Marr, Paul. 2000. Changes in specialized craft production in the Tarascan region of Michoacán, Mexico. *The Pennsylvania Geographer*. 38(2): 1-29.

Kosola, William and Paul Marr. 1999. The B&O railroad and C&O canal's "Race up the Potomac River." *The Pennsylvania Geographer*. 37(1): 100-117.

Marr, Paul and Quinn Morris. 1997. People, poisons, and pathways: A case study of ecologic fallacy. *Proceedings of the International Symposium on Computer Mapping in Epidemiology and Environmental Health*. 1995. Tampa, Florida.

Marr, Paul, et al. 1996. Asthma morbidity as related to air pollution in the Denver metropolitan area: 1989 -1994. *Colorado Department of Public Health and Environment: Environmental Indicators Series*.

Marr, Paul. 1994. Risk, environmental equity, and urban processes. *Proceedings of the GIS Applications in Public Health and Risk Analysis Conference*. Atlanta, Georgia.

Schoolmaster, F. Andrew and Paul Marr, 1992. Geographic information systems as a tool in water use data management. *Water Resources Bulletin*. 28(2):331-335.

Atkinson, Samuel F., Hunter, Bruce A. and Marr, Paul. 1990, Spatial analysis of ground water pollution. *Proceedings of the National Computer Graphics Association GIS'90*, NCGA, Fairfax, Virginia, pp. 30-39.

Atkinson, Samuel F., Scott Walker, Denice Shaw, Bruce Hunter, Paul Marr, Jeffery Coffey, Kim Evans. 1989. A geographic information system approach to implementing 'DRASTIC' for ground water protection. *Proceedings of the 12<sup>th</sup> Annual Applied Geography Conference*.

Marr, Paul and F. Andrew Schoolmaster. 1988. An application of GIS to monitoring site changes in gasoline service stations and underground storage tank locations. *GIS/LIS 1988 Proceedings*. Vol. 2. 852-860.

### **Presentations and Posters**

2021 Ground Penetrating Radar (GPR) Detection and Subsurface Characteristics of an Enigmatic (Solifluction?) Lobe Feature in Adams County, Pennsylvania. Northeastern Geological Society of America Virtual Meeting. Robert Joyce, with Sean Cornell, Paul Marr, and John Wah (**poster**).

2020 *The Iron Springs Site (36AD0576): A Prehistoric Example of Rhyolite Quarrying Techniques*. Association of American Geographers, Middle States Regional Virtual Meeting. With Robert Bodnar, Steve Nissly, John Wah, Scott Drzyzga.

2019 *The Green Cabin (36AD0569) Prehistoric Quarry Complex: South Mountain, Pennsylvania*. Association of American Geographers, Middle States Regional Meeting. Kutztown, PA.

2018 *Metarhyolite Preferences from Prehistoric Quarry Complexes on South Mountain, Pennsylvania*. Association of American Geographers, Middle States Regional Meeting. Montclair, NJ.

*Monitoring the restoration of high-altitude peat-forming cushion bogs (bofedales) in northern Chile using MODIS*. International Association for Landscape Ecology, U.S. Division. Chicago, IL.

- 2017 *Landscape Changes in the Colchane Comuna of Northern Chile: 2005-2016*. International Association for Landscape Ecology, U.S. Division. Baltimore, MD.
- What Surface Artifacts Can Tell Us about Abandoned Chilean Nitrate Plants*. Middle States Regional Meeting. Geneseo, NY.
- 2016 *Primary Productivity Trends of Human-managed High-altitude Cushion Bogs (bofedales) in the central Andean puna*. International Association for Landscape Ecology, U.S. Division. Asheville, NC.
- The Kuhn Family Cemetery*. Association of American Geographers, Middle States Regional Meeting. Altoona, PA.
- The Kuhn Family Cemetery*. International Society for Landscape, Place, and Material Culture Annual Meeting. Bowling Green, KY.
- 2015 *Surface Artifact Assemblages from Four Abandoned Chilean Nitrate Plants*. International Society for Landscape, Place, and Material Culture Annual Meeting. Canton, OH.
- Enhanced Vegetation Index Trends of High-Altitude Cushion Bogs in Northern Chile, 2001-2013*. Association of American Geographers, Middle States Regional Meeting. Binghamton, NY.
- 2014 *Surface Artifact Assemblages from Four Abandoned Chilean Nitrate Plants*. Association of American Geographers, Middle States Regional Meeting. York, PA.
- Monitoring the Degradation of Cultural Resources: A Case Study at the Chesapeake and Ohio Canal National Historic Park*. PAS: APAL National Meeting, Oklahoma City, OK.
- 2013 *Technology, Labor, and the Collapse of Chile's Nitrate Industry*. Association of American Geographers, Middle States Regional Meeting. Buffalo, NY.
- Rural Gasoline Service Station Abandonment and Reuse in South-Central Pennsylvania*. PAS: APAL National Meeting, Utica, NY.
- 2012 *The Geography of the British Motorcycle Industry, 1896-2004*. Association of American Geographers Annual Meeting. New York, NY (**poster**).
- 2011 *The Geography of the British Motorcycle Industry, 1896-2004*. Association of American Geographers, Middle States Regional Meeting. Union, NJ.
- 2009 *Fort Morris Found? The Search for Shippensburg's Elusive Colonial Fort*. Eastern Historical Geography Association Meeting. Pipestem, WV.
- Fort Morris Found? The Search for Shippensburg's Elusive Colonial Fort*. Association of American Geographers, Middle States Regional Meeting. New Paltz, NY.

- Finding Fort Morris: The Search for Shippensburg's Lost Colonial Fort.* Association of American Geographers Annual Meeting. Las Vegas, NV.
- 2008 *Factors Impacting the Long-Term Survival of Chile's Historic Nitrate Oficinas.* Annual Meeting of the Eastern Historical Geography Association. Baton Rouge, LA. Paul Marr and Claire Jantz.
- Economic Conditions on the Pennsylvania Frontier: 1765-1775.* Association of American Geographers, Middle States Regional Meeting. Millersburg, PA.
- Demographic Changes on the Pennsylvania Frontier, 1730-1800.* Association of American Geographers Annual Meeting. Boston, MA (**poster**).
- The Wiconisco Canal Revisited.* Canal History and Technology Symposium. Lafayette College, Easton, PA.
- 2007 *Ghosts of the Atacama: The Abandonment of Nitrate Mining in the Tarapacá Region of Chile.* Association of American Geographers, Middle States Regional Meeting. Reading, PA.
- Gentrification and Neighborhood Dynamics in Harrisburg, Pennsylvania.* Association of American Geographers, Middle States Regional Meeting. Reading, PA.
- The King's Highway to Lancaster: A Graph-Theory Analysis of Colonial Pennsylvania's Road Network.* Association of American Geographers Annual Meeting. San Francisco, CA (**poster**).
- Do Trunk Length-Leg Length Proportions Reflect Climate Adaptation in Native North Americans?* American Association of Physical Anthropologists Annual Meeting. Philadelphia, PA. Jantz, R.L., P.G. Marr and C.A. Jantz (**poster**).
- 2006 *From Reeds on Burros to Chairs on Trucks: Craft Production Changes in the Purépecha Region of Michoacán, Mexico, 1940-2000.* Association of American Geographers Annual Meeting. Chicago, IL. Marr, Paul and Christopher Sutton (**poster**).
- Using Burying Grounds to Reconstruct the Early Demographics of Franklin County, Pennsylvania.* Association of American Geographers, Middle States Regional Meeting. New Brunswick, NJ.
- Planning for the Trucking and Warehousing Industry... Two Sides to Every Coin.* Pennsylvania Planning Association Annual Conference. Harrisburg, PA.
- 2005 *Town Accessibility and Isolation in the Purépecha Region of Michoacán, Mexico.* Association of American Geographers Annual Meeting. Denver, CO. Marr, Paul and Christopher Sutton (**poster**).
- Geographic Isolation and Language Maintenance: The Case of Michoacán, Mexico.* Middle Atlantic Council of Latin American Studies. Richmond, VA. Ragone, Agnes and Paul Marr.

- The Wiconisco Canal*. Canal History and Technology Symposium. Lafayette College, Easton, PA.
- 2004 *Finding Fort Morris*. Association of American Geographers, Middle States Regional Meeting. Villanova, PA.
- Demographic Changes in the Tarascan Region of Michoacán, Mexico: 1970 - 1990*. Association of American Geographers Annual Meeting. Philadelphia, PA.
- Internationalizing Undergraduate Research in Chemistry: An Environmental Chemistry Project in Ecuador*. ACS National Meeting. Philadelphia, PA. Muhoro, Claire and Paul Marr.
- The Tarascan Region of Michoacán, Mexico*. Invited colloquium presentation for the College of Arts and Sciences, University of North Texas. Denton, TX.
- 2003 *Growth of the Trucking and Distribution Industries along the I-81 Corridor in South-Central Pennsylvania*. Association of American Geographers, Middle States Regional Meeting. Albany, NY.
- The Promise of Growth: Land Speculation in Late 18<sup>th</sup> Century Shippensburg, Pennsylvania*. Pennsylvania Geographical Society Annual Meeting. Erie, PA.
- The Impact of Transportation Changes on the Woodworking Craft Industry of Eight Villages in the Sierra Tarasca of Michoacán, Mexico*. Association of American Geographers Annual Meeting. New Orleans, LA. Sutton Christopher and Paul Marr.
- 2002 *Reconstructing a Landscape: Shippensburg During the Early 19<sup>th</sup> Century*. NCGE -Pennsylvania Geographical Society Annual Meeting. Philadelphia, PA.
- Shippensburg and the Development of Overland Transportation in the Cumberland Valley, Pennsylvania: 1748 - 1792*. Association of American Geographers, Middle States Regional Meeting. Montclair, NJ.
- 2001 *Rural Industries and the Pennsylvania Mainline Canal System*. Society for Industrial Archeology Annual Meeting. Washington, D.C.
- The Guitar Makers of Paracho, Michoacán*. Association of American Geographers Annual Meeting. New York, NY.
- Commodity Flow on the Pennsylvania Mainline Canal*. Canal History and Technology Symposium. Easton, PA.
- 2000 *Commodity Flow on the Pennsylvania Mainline Canal*. Eastern Historical Geography Association Annual Meeting. Bar Harbor, ME.



- The Development and Abandonment of Mining Towns in the Colorado Rocky Mountains.* Association of American Geographers Annual Meeting. Pittsburgh, PA. Marr, Paul and Keith Ratner.
- 1999 *The Pennsylvania Mainline Canal.* Eastern Historical Geography Association Annual Meeting. Richmond, VA.
- Had the Vidler Tunnel Only Succeeded...* Pennsylvania Geographical Society Annual Meeting. Indiana, PA.
- Changes in the Perceptions of Denver's "Safe Areas".* Association of American Geographers Annual Meeting. Honolulu, HA.
- 1998 *The Role of Transportation in the Development and Abandonment of Mining Towns in the Colorado Rocky Mountains.* Association of American Geographers, Middle States Regional Meeting. New Brunswick, NJ.
- Historic Transportation and Mining in the Argentine Mining District of Colorado.* Association of American Geographers Annual Meeting. Boston, MA. Marr, Paul and Keith Ratner.
- A Multi-Scale Examination of Asthma Occurrence and PM10 Levels in Denver, Colorado.* 8th International Symposium in Medical Geography. Towson, MD.
- 1997 *Early Bird Special: Off-Street Parking in Denver, Colorado.* Association of American Geographers Annual Meeting. Fort Worth, TX.
- 1996 *Demographic and Morphologic Changes in the Globeville Neighborhood of Denver, Colorado.* Pennsylvania Geographical Society Annual Meeting. Carlisle, PA.
- The Role of Transportation in the Development and Abandonment of Mining Towns in the Argentine Mining District of Colorado.* Association of American Geographers Annual Meeting. Charlotte, NC. Marr, Paul and Keith Ratner.
- 1995 *Urban Processes and Environmental Equity.* Association of American Geographers Annual Meeting. Chicago, Illinois.
- Asthma as an Indicator of Urban Air Quality.* Association of American Geographers, Great Plains/Rocky Mountain Regional Meeting. Rapid City, SD.
- People, Poisons, and Pathways: A Case Study of Ecologic Fallacy.* International Symposium on Computer Mapping and Epidemiology. Tampa, FL.
- 1994 *Risk, Environmental Equity, and Urban Processes.* Agency for Toxic Substances and Disease Control: Public Health and GIS Conference. Atlanta, GA.
- 1992 *High Altitude Heap Leaching: Problems and Perspectives.* Western Social Sciences Annual Meeting. Denver, CO.

- 1991 *Analysis of Colorado Health Trends Using Large Scale Data.* Western Social Sciences Annual Meeting. Reno, NV.
- 1990 *Using GIS to Monitor Groundwater Pollution Remediation Measures.* Association of American Geographers, South Western Regional Meeting. Fort Worth, TX.
- 1989 *Critical Erosion Distribution within the Lake Worth Watershed.* Association of American Geographers, South Western Regional Meeting. Albuquerque, NM.
- Monitoring Sedimentation and Nutrient Loading in North Texas Reservoirs Using LANDSAT Satellite Data.* Society of Environmental Toxicologists and Chemists (SETAC). Denton, TX.
- Use of Remote Sensing and GIS for Watershed Management in Lake Worth (poster).*" Society of Environmental Toxicologists and Chemists (SETAC). Denton, TX.
- 1988 *Monitoring Underground Storage Tanks with GIS.* Association of American Geographers, South Western Regional Meeting. Stillwater, OK.
- An Application of GIS to Monitor Site Changes in Gasoline Service Stations and Underground Storage Tank Locations.* GIS/LIS. San Antonio, TX.

**Grant Proposals / Grants in Review**

- 2017 ***Subsurface Imaging of the Camp Security Site, York, PA***  
 Project Participants: Friends of Camp Security, C.L.U.S.  
 Shippensburg University  
 Funding Source: Friends of Camp Security  
 Funding Level: \$7,360
- 2016 ***Michaux Forest Archaeological Predictive Model***  
 Project Participants: C.L.U.S. Shippensburg University; John Wah, Matapeake Soil and Environmental Consultants.  
 Funding Source: South Mountain Partnership  
 Funding Level: \$30,200
- 2015 ***Mapping Peatland Response to Hydrologic Regime and Human Activities in the Andean Dry Puna.***  
 Project Participants: Patrick Jantz and Prajjwal K. Panday, Woods Hole Research Center; Paul Marr and Claire Jantz, Shippensburg University  
 Funding Source: NSF  
 Funding Level: \$571,351  
**Not Funded.** Proposal not funded.
- 2012 ***Landscape Change and Abandonment in the Chilean Dry Puna Ecoregion.***  
 Project Participants: Paul Marr and Claire Jantz, Shippensburg University; Patrick Jantz, Woods Hole Research Center; Carlos Mamani, Gannon University; Jose Delatorre-Herrera, Universidad Arturo Prat.  
 Funding Source: NSF

Funding Level: \$471,235  
**Not Funded.** Proposal not funded.

- 2011 ***Fort Morris Archaeological Excavation: Phase 3.***  
Project Participants: Department of Geography/Earth Science,  
Shippensburg Historical Society  
Funding Source: Pennsylvania Historic and Museum Commission  
Funded: \$10,000
- 2010 ***Landscape Change and Abandonment in the Chilean Dry Puna Ecosystem.***  
Project Participants: Paul Marr and Claire Jantz, Shippensburg University; Scott Goetz, Woods Hole Research Center; Carlos Mamani, Gannon University; Jose Delatorre-Herrera, Universidad Arturo Prat.  
Funding Source: NASA  
Funding Level: \$567,000  
**Not Funded.** After very positive reviews, this proposal is currently being reworked for NSF submission.
- 2009 ***Population Concentration, Village Abandonment, and Accessibility in the Colchane Region of Northern Chile.***  
Project Participants: Paul Marr and Claire Jantz  
Funding Source: University Research and Scholarship Program  
Funded: \$16,660
- 2008 ***Landscape Influences on the Collapse of the Nitrate Mining Industry of the Tarapacá Region of Chile.***  
Project Participants: Paul Marr and Claire Jantz  
Funding Source: State System of Higher Education Professional Development Grant  
Funded: \$5,862
- 2007 ***Economic and Transportation Impacts of Warehousing in Rural Pennsylvania***  
Project Participants: Paul Marr, Scott Drzyzga, George Pomeroy, James Biles  
Funding Source: Center for Rural Pennsylvania, Center for Land Use  
Funded: \$47,180
- 2005 ***Warehousing and Distribution in Franklin and Cumberland Counties***  
Project Participants: Paul Marr and Kurt Fuellhart  
Funding Source: Center for Land Use.  
Funded: \$10,000.
- 2004 ***Geographic Patterns of Language Change in Migrant Workers from Michoacán, Mexico.***  
Project Participants: Paul Marr and Agnes Ragone  
Funding Source: Shippensburg University Professional Development Grant.  
Funded: \$3,376.
- 2003 ***Environmental Fate and Transport of Pesticides in Ecuador's Banana Region.***  
Project Participants: Clare Muhoro and Paul Marr

- Funding Source: Shippensburg University Professional Development Grant.  
Funded: \$4,950.
- 2002 ***Development of an Historic Spatial Database for Shippensburg, Pennsylvania.***  
Project Participants: Paul Marr  
Funding Source: Shippensburg University Professional Development Grant.  
Funded: \$1,851.
- 2001 ***Impacts of Transportation Improvements on the Craft Industries of the Purépecha Region of Mexico.***  
Project Participants: Paul Marr  
Funding Source: Shippensburg University Professional Development Grant.  
Funded: \$2060.
- 2000 ***Commodity Flow on the Pennsylvania Mainline Canal System: 1825-1900.***  
Project Participants: Paul Marr  
Funding Source: Pennsylvania Historical and Museum Commission.  
Funded: \$1,200.
- A Geographical Analysis of the Factors Associated with the Success of the Stringed Instrument Industry in Paracho, Mexico.***  
Funding Source: Shippensburg University Professional Development Grant.  
Funded: \$800.
- 1999 ***Spanish Language Classes in Quito, Ecuador.***  
Funding Source: State System of Higher Education Professional Development Grant.  
Funded: \$1,766.
- 1998 ***Off-Street Parking in Denver, Colorado.***  
Funding Source: State System of Higher Education Professional Development Grant.  
Funded: \$1,040.
- 1997 ***Role of Transportation in Colorado Mining.***  
Project Participants: Northwestern Louisiana State University, University of Denver.  
Funding Source: State System of Higher Education Professional Development Grant.  
Funded: \$3,184.
- 1997- ***Pennsylvania Digital Soils Data Base Development.***  
2000 Project Participants: Pennsylvania Department of Environmental Protection, State System of Universities, Pennsylvania State University.  
Funding Source: Pennsylvania Department of Environmental Protection.  
Funded: \$62,854.
- 1994- ***Asthma Morbidity as an Indicator of Ambient Air Quality.***

- 1996 Project Participants: U.S. Environmental Protection Agency, Colorado Department of Public Health and Environment.  
Funding Source: U.S. Environmental Protection Agency.  
Funding Level: \$25,000
- 1993 **Urban Processes and Environmental Equity.**  
Project Participants: U.S. Environmental Protection Agency, ICF Kaiser Engineers.  
Funding Source: U.S. Environmental Protection Agency.  
Funded: \$75,000

### **Student - Faculty Research**

- 2020 **Graduate Thesis:** Robert Joyce - *GPR analysis of prehistoric quarrying on a suspected mass movement feature.*
- 2019 **Undergraduate Research:** Samantha Bartleson - *Field investigation of potential lithic reduction sites in Michaux State Forest.*
- 2018 **Undergraduate Research:** Jacob Knouse, *LiDAR mapping the abandoned town of Stockport, PA.*
- 2017 **Graduate Project:** Joshua Barth - *Metarhyolite Quarry Inventory, Carbaugh Run Natural Area.*
- 2015 **Undergraduate Project:** Samuel Edwards - *Subsurface imaging of this historic Kuhn farm cemetery.*
- 2013 **Graduate Project:** Max Bowe - *EMS service region modeling.*  
**Graduate Project:** Corry Shaffer - *Landscape factors in the survival of American Chestnut Tree.*
- 2008 **Graduate Thesis:** Albert Beck - *A comparison of Southeastern Counties using an atmospheric hazards vulnerability index.*
- 2007 **Graduate Thesis:** Adrienne Smith- *County air quality and heart disease in Pennsylvania.*
- 2006 **Graduate Research:** Scott Crandall- *Air quality along Carlisle's "Miracle Mile."*  
**Graduate Thesis:** Eric Weltmer- *Examining edge cities using a multi-scale historical approach.*  
**Graduate Thesis:** Michael Ross- *Economic patterns in Pennsylvania's Cumberland Valley during the late 18<sup>th</sup> century.*
- 2005 **Graduate Thesis:** Christopher Spahr- *The Uptown neighborhood in Harrisburg, Pennsylvania.*  
**Graduate Research:** John Burchette- *Georeferencing historic maps for cultural resource inventory: The Wiconisco canal.*
- 2004 **Graduate Research:** Eric Mock- *The locational aspects of warehousing in the Cumberland Valley of Pennsylvania: The role of boroughs and townships.*  
**Graduate Research:** Laurie Freto- *The spread of malaria and nonendemic disease in the United States as related to trends in international travel: 1992-2000.*
- 2003 **Undergraduate Research Grant:** Matthew Pimental- *Recent increases in truck traffic in the Cumberland Valley. \$450.00*
- 2002 **Graduate Research:** Matthew Martin- *West Nile virus in southeastern Pennsylvania, 2001-2002.*  
**Undergraduate Research Grant:** Jeanette McBryan- *Spatial analysis of commuter students at Shippensburg University using GIS. \$450.00*

- 2001 **Miklausen-Likar Award:** Jeffery Cunningham- *Reconstructing Shippenburg's historic landscape*. \$462.00
- 2000 **Undergraduate Research Grant:** Lawrence Baldwin- *Heischman's Mill survey: Biological assessment*. \$500.00
- 2000 **Graduate Research Grant:** Charles Brown- *Heischman's Mill survey: Hydrologic assessment*. \$500.00

### ***Professional Memberships***

Association of American Geographers  
 American Geographical Society  
 International Society for Landscape, Place, and Material Culture  
 Middle States Division of the Association of American Geographers  
 Congress of Latin Americanist Geographers  
 Pennsylvania Geographical Society  
 Pennsylvania Canal Society  
 Pennsylvania Historical Society  
 Shippensburg Historical Society  
 Cumberland County Historical Society  
 Sigma Xi  
 Gamma Theta Upsilon (Geography Honors Society)

### ***University Committees***

- 2008 - 2010 University Promotions Committee (chair)
- 2005 - 2006 Director of Social Equity, Search Committee
- 2004 - 2005 Professional Studies Committee
- 2005 - 2007 University Forum (at large)
- 2004 - 2005 University Forum (alternate)
- 2004 - 2006 General Education Committee (secretary, Category Subcommittee chair)
- 2003 - p Department of Geography and Earth Science Curriculum Committee (chair)
- 2003 - 2007 University Graduate Council
- 2000 - 2009 JFK Scholarship Committee
- 2000 - 2003 University International Education Committee (Chair)
- 2000 - 2001 History and Geography Paired Courses Committee
- 1999 - 2003 Department of Geography and Earth Science Budget Committee
- 1998 - 2000 University Sexual Harassment Education Committee
- 1998 - 1999 University Human Relations Committee
- 1997 - 1998 University Faculty Recruiting Committee
- 1996 - 1998 Department of Geography and Earth Science Curriculum Committee

### ***University and Community Service***

- 2008-2012 Shippensburg Historical Society Board Member
- 2005-p Coordinator: Geography Department Seminar Series.
- 2004 Presenter: "*Morocco: A Professor's Experience*",  
 International Studies Minor  
 International Travel Series  
 Judge: Pennsylvania Geography Bee  
 Review Committee for *Proteus* (Africa issue).

- 2003 Review Committee for *Proteus* (Urban Challenges: Past, Present, and Future issue).  
 Presenter: "Colonial Transportation Routes in the Cumberland Valley", Wilson College  
 Institute for Retired Persons.  
 Presenter: "The Movement of Goods on the Pennsylvania Canal System", Wilson College  
 Institute for Retired Persons.  
 Judge: Pennsylvania Geography Bee
- 2002 Panel Member: Honors freshmen Orientation Session, Interdisciplinary Minor Panel.  
 Presenter: "Exploring Hawaii", Southern Fulton Elementary School 4<sup>th</sup> Grade Class
- 2001 Panel Member: Honors Program Panel on General Education.  
 Presenter: "Asthma and Particulate Air Pollution in Denver, Colorado", Shippensburg  
 University Science Seminar Series.  
 Presenter: "The Guitar Makers of Paracho, Mexico", Department of Geography/Earth  
 Science Winter Seminar Series.
- 2000 Computer Mapping Workshop for the Rural Education Partnership Program, Bermuda  
 Springs Elementary School
- 1999 Dykeman (Hatch House) Restoration Steering Committee
- 1998 Slide presentation on Mexico City given at Richer Elementary School
- 1996 - 1999 Science fair judge at Saint Patrick Elementary School

#### ***Non-Academic Awards***

- EPA Special Act Award (1995):** Development of Epidemiological Approach to Risk Prioritization  
**EPA Special Act Award (1994):** Environmental Justice Support  
**EPA Special Act Award (1993):** GIS Orientation Class Development  
**Geography Department Outstanding Alumnus (1989):** University of North Texas

#### ***External References***

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