

Robert J. Werner

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education

Ph.D. 1990 Geography, University of Minnesota. Thesis: *An Experiment to Determine the Effectiveness of Computer Use in Map Projection Instruction*
M.A. 1978 Philosophy, University of Wyoming. Thesis: *Aristotle's Practical Syllogism*
B.A. 1975 Philosophy, Montana State University

employment

1991-2016 Assistant, Associate, and Professor, University of St. Thomas (UST)
1989-91 Assistant Professor, Mankato State University
1989 Visiting Assistant Professor, University of Idaho
1978-85 Fireman, 1st Lt., Asst. Chief, Chief, Teton Fire Department

publications

2016. Werner, Robert. Exhibit: "A Section of the Online Syllabus from Geog. 231." in *A Guide to Writing in College*, Chris Anson. Pearson Education, Inc.

2015. *Travels on the Road of Death and Other Adventures of a Yankee in Bolivia*. Amazon Kindle e-book. (Web).

2012. Werner, Robert. "Dakota Diaspora after 1862." *Minnesota's Heritage* 6: (2012) 38-59. (Print). A map titled "Dakota Diaspora after 1862" from this article is published online at the Minnesota Historical Society website: <http://www.usdakotawar.org/history/aftermath> (Web) and was on display at the Minnesota Historical Society "Dakota War" exhibit.

2011. Hartmann, Monica, and Werner, Robert. "Hyperinflation: What Zimbabwe Can Teach Us." Buffalo, NY: National Center for Case Study Teaching in Science.

2009. Werner, Robert. *Bolivia in Focus*. Northhampton, MA: Interlink Books.

2007. Werner, Robert. "Inquiry-Based Education at Minnesota's University of St. Thomas." *International Journal of Learning*, Vol. 14, Issue 1, pp.51-56.

2007. Ditty, J., Kelley, D., Lorah, P., Steyermark, A., Werner, R. & Zimmer, K. (2007). Cross – departmental Implementation of GIS at a Mid-sized Undergraduate University. *CUR Quarterly*, 27(3), 120-124.

2005. Werner, Robert. "Inquiry-Based Learning Teaches Students to Think," *St. Thomas Magazine*, Vol. XXI, No.3.

2001. Werner, Robert. "GIS in Action: Case-Study Demonstrations", in *Conference Proceedings: 2001 MN Safety & Health Conference*, p. 313-324, MN Safety Council, St. Paul, Minnesota.

1999. Werner, Robert, et al. *Timelines and Atlas of World History*. University of St. Thomas, St. Paul, Minnesota. 57 pages.

1998. Werner, Robert. "Equity in Public Transit: A Test Statistic for Buffer Problems,"

Environmental Systems Research Institute's Conference Proceedings, 1998. Redlands, CA: ESRI.

1998. Werner, Robert, Vanderschaaf, Mark and Cross, Andy. "Working Paper: The Hazel Park Marketing & Investment Strategy: A Profile of Demography and Housing," St. Paul Dept. of Planning & Economic Development.

1997. Werner, Robert, "Toxic Releases and Demography in Minneapolis/St. Paul: A GIS Exploration," *1997 ESRI User Conference Proceedings*. Environmental Systems Research Institute, Redlands, CA.

1997. Werner, Robert and Hedlund, Chris, *Minnesota GIS Educational Sourcebook 1997*, The Minnesota GIS/LIS Consortium, St. Paul, Minnesota. 20 pages.

1995. Werner, Robert and Hedlund, Chris, "Putting Children First: St. Paul Uses GIS to Prioritize Lead Pipe Replacement," *Geo Info Systems*, vol. 5 no. 10 (October 1995) and vol. 6 no. 11 (November 1995).

1995. Werner, Robert and Hedlund, Chris. *GIS/LIS College Courses in and near Minnesota, 1995*. The Minnesota GIS/LIS Consortium, St. Paul, Minnesota. 105 pages.

1994. Werner, Robert, "ATLAS JAPAN: In English and Japanese," a book review. *Cartographic Perspectives* (No. 17, Winter 1994: 29-30).

1993. Werner, Robert, "A Survey of Preference Among Nine Equator-Centered Map Projections," *Cartography and Geographic Information systems*, vol. 20, no. 1 (Jan.), p. 31-39.

1993. Werner, Robert, "ATLAS*PRO and ATLAS*GIS," (software review) *Cartographic Perspectives*, no. 14, Winter, 1993, p.22-27.

1992. Werner, Robert and Young, Jim, "A Checklist to Evaluate Mapping Software," *Journal of Geography*, vol. 90 no. 3 (May-June, 1992).

1989. Werner, Robert J. "A Bivariate Technique Applied to Agricultural Productivity Mapping." *Research in contemporary and applied geography*, v. 13, no. 2. Binghamton, N.Y.: Dept. of Geography, State University of New York at Binghamton.

external grants

2025. Prairie Island Indian Community. Support for the Makotah Reconciliation and Healing Ride. \$2,000.

2025. Prairie Island Indian Community. Support for the Hunkpati Youth Ride. \$3,000.

2024. Mankato Area Foundation, Community Impact Grant. Support for the Makotah Reconciliation and Healing Ride. \$5,000.

2024. Central Electric Co-Op Operation Roundup for the Dakota Indian Foundation. Support for the Makotah Reconciliation and Healing Ride. \$2,000.

2024. Prairie Island Indian Community. Support for Dakota Youth Ride. \$2,000.

2023. Prairie Island Indian Community. Support for Dakota 38+2 ride. \$1,000.

2022. Mankato Area Foundation. Support for the Dakota 38+2 ride. \$5,000.

2021. Seventh Generation Fund. This award helped sponsor a horse ride from Santee, Neb., to Pierre, SD, to bring attention to the problem of Murdered and Missing Indigenous Women and Girls (MMIWG). (\$6,000).

2021. Prairie Island Indian Community donation. Also to support the MMIWC, as immediately above. (\$500).

2021. Mankato Area Foundation. Support for the Dakota 38+2 ride. \$5,000.

2019. Bush Foundation Event Sponsorship Grant. Same activity and purpose as 2016 & 2018. (\$10,000).

2019. Home Depot Foundation. This grant was for home repairs for Native veterans on the Crow Creek Reservation, SD. (\$5,000).

2019. South Dakota Community Foundation. This award supports a six-week stay of 10 AmeriCorps volunteers who performed several home-repair projects (\$10,000).

2018. Secured funding from a private donor to eliminate debt of Dacotah Tipis Habitat for Humanity. (\$35,000).

2018. Central Electric Cooperative. The grant was given for safety improvements in the volunteer center of Habitat for Humanity – Dacotah Tipis, Crow Creek Reservation, SD. (\$1,700).

2018. Bush Foundation Event Sponsorship Grant. Same activity and purpose as 2016. (\$10,000)

2018. Central Electric Cooperative. The grant was given to reduce radon in the volunteer center of Habitat for Humanity – Dacotah Tipis, Crow Creek Reservation, SD. (\$2,000).

2018. Art and Martha Kaemmer Fund. This award relieved debt for Habitat for Humanity – Dacotah Tipis, Crow Creek Reservation, SD. (\$7,500).

2016. Bush Foundation Event Sponsorship Grant. This award helped sponsor the Dakota 38+2 Wokiksuye ride from Crow Creek SD to Mankato MN to promote reconciliation and healing from the U.S./Dakota War of 1862. (\$10,000).

2015. Prairie Island Indian Community. This grant helped fund the Dakota 38 ride from Crow Creek SD to Mankato MN to promote reconciliation and healing from the U.S./Dakota War of 1862. (\$500).

2015. Benedictine Fund. Funded a furnace for a Habitat for Humanity house on the Crow Creek reservation in Fort Thompson, South Dakota. (\$3,000).

2015. Bush Foundation Event Sponsorship Grant. This award helped sponsor the Dakota 38 ride from Crow Creek SD to Mankato MN to promote reconciliation and healing from the U.S./Dakota War of 1862. (\$5,000).

2005-08. Bush Foundation Program Grant. Renewal of 2002-05 award. I wrote the renewal proposal and administered the award. (\$449,725 external; \$472,345 matching).

2002-05. Bush Foundation Program Grant. I led the committee that prepared the grant application and was one of two authors. The grant was to improve undergraduate education university-wide through inquiry-based learning and faculty/student collaboration. I also administered the grant. (\$444,490 external; \$465,080 matching).

2000. Bush Foundation Planning Grant. The grant funded a year-long internal study to decide what efforts for “faculty development in support of student learning” were most appropriate at UST. It was the planning for the 2002-08 Bush Foundation Program Grants. (\$20,000).

1999-01. NSF-CCLI grant *Beyond Mapping and Reporting: Improving Students' Skills in Science and Analysis for Geography, Environmental Studies, and Ecology*, (DUE 9950628). Robert Werner, PI, and four CO-PIs: Mike DeJong, Simon Emms, Timothy Loesch, Paul Lorah. (\$42,200).

1999. McNeely Foundation grant, with Jim Vincent (Economics), to fund teaching a workshop on environmental planning in Havana, Cuba. (\$2,200).

1998-99. grant subcontract from the Center for Urban and Regional Affairs, University of Minnesota, which employed six students to do GIS analysis of a development desirability index and soil erosion models for Minnesota lakeshore associations. (\$5,809).

1996. McNight Foundation grant (96-547) "A Study of Industrial Relocation in the United States". I made maps and managed data for Fred Zimmerman (PI). (\$19,000).

1994-96. NSF-ILI grant, *Integration of Environmental Modeling with Spatial Analysis and Geographic Information Systems*, (DUE 9451413). Robert Werner (PI) and three CO-PIs: Dave Kaplan, Rick Meierotto and Mike DeJong. (\$17,877).

1994. Wallace Atwood Fund grant, awarded by the Association of American Geographers, provided 1995 census data for a study of the relations between toxic releases and demography. (\$500).

1991. NSF-ILI grant, *Mapping and Spatial Analysis: Laboratory Improvement in Image Processing and Geographic Information Systems*, (USE-9152930). Robert Werner (PI), Phil Kelley (COPI). Mankato State University. (\$17,663).

internal grants

2011. Sabbatical leave. Spring semester. Project: Geography of Minnesota Indians.

2009. UST Research Grant for two course releases in 2009-10 to research, travel, and write *Paraguay In Focus*. \$12,900. That project was subsequently cancelled by the publisher, so the money was used on the “Geography of Minnesota Indians” project.

2008. UST International Education Faculty Travel Grant for travel to Costa Rica in summer of 2008 to develop a course called ‘Coffee.’ (\$2,000).

2008. UST Partnership in Learning Grant, that funded a graduate student teaching assistant, Inyani Maire, in my Africa course. (\$700).

2008. UST Partnership in Learning Grant, that funded a graduate student teaching assistant, Inyani Maire, to assist me with research about John Chilembwe (\$886).

2007. UST Bush Foundation Scholarship of Pedagogy re-grant, that funded travel to South Africa to present a paper on Inquiry-Based Learning. (\$1,000).

2006. two small grants to host the Midwestern Undergraduate Research Symposium: Associated Colleges of the Twin Cities grant (\$758), and UST Bush Foundation re-grant “Other Course” grant (\$758).

2005-06 and 2003-04. Summer Research & Scholarship Program, UST Bush Foundation re-grant, for summer research community- building activities in the Geography Department (\$1,000) 2003-04. UST Sabbatical Assistance Grant, for book *Bolivia In Focus*. (\$3,700).

2001. UST International Education Faculty Travel Grant. I used the grant to travel to Chile and Argentina to participate in a CIEE seminar "Politics and Economics in Chile and Argentina. (\$3,000).

1997. Curriculum Review grant (UST Bush Foundation re-grant) to coordinate Environmental Studies courses. Robert Werner (PI), four co-PIs. (\$2,150).

1997. Curriculum Review grant. Paul Lorah (PI), Robert Werner (co-PI) to revise Geography courses. (\$1,000).

1992. UST International Education Faculty Travel Grant. I used the grant to travel to Japan to develop a study-abroad course, and to China to present a paper on map projection distortion to the Chinese Academy of Sciences (\$1,200).

1990. College of Social and Behavioral Sciences Grant, Mankato State University, to research map perception. (\$2,000).

fundraising

2018. Esther & Harold Mertz Foundation. This gift was used to relieve debt for Habitat for Humanity – Dacotah Tipis, Crow Creek Reservation, SD. (\$35,000)

grant proposal reviews

I have reviewed almost a thousand grant proposals. While the overwhelming majority were internal (both for faculty applying for Bush Grant funds and students applying for research funding), external grant proposal review included NSF (in the education division), NEH preproposals, the National Center for Case Study Teaching in Science, and U.S. Department of Education Fund for the Improvement of Postsecondary Education.

manuscript reviews

Social Science Quarterly, International Journal of Learning, Minnesota Academy of Sciences, National Center for Case Study Teaching in Science

grants with students

Thirteen grants to fund undergraduate student research. Nine were internal UST Young Scholars awards or UST Bush Foundation re-grants. Two were external: two through the MN GIS/LIS Consortium, and two others were subcontracts with the University of Minnesota and the Ramsey County Soil and Water Conservation.

conference presentations and published abstracts

Twenty one conference presentations and published abstracts. Eleven were published in either the *Journal of the Minnesota Academy of Science* or the *Minnesota GIS/LIS Consortium Abstracts*.

workshops taught

Fourteen workshops taught on topics in Geographic Information Systems or Inquiry-Based Learning, at the University of Havana, the Chinese Academy of Sciences, American Planning Association, the Minnesota House of Representatives Research Department, the U.S. Army Corps of Engineers, the Minnesota Pollution Control Agency, the Minnesota GIS/LIS Consortium, the Collaboration for the Advancement of College Teaching, and the University of St. Thomas Center for Real Estate Studies.

student organization advising

2012-14. Faculty Advisor, Globally Minded Student Association.
2009-11. Faculty Advisor, African Nations Student Association. Faculty Advisor Award, 2010.
2007-09. Faculty Advisor and Honorary Member, Saudi Club, University of St. Thomas.
2000. Student of Color Ally Award, University of St. Thomas.

courses taught

My teaching evaluations (we use IDEA forms) are typically in the top 10-20th percentile compared to others in the College of Arts & Sciences.

World Geography (my flagship course that I've taught almost 50 times)

Global Migrations

Africa

Latin America

Race & Ethnicity in South Africa (team-taught in South Africa)

Geography of Minnesota

Native Peoples of Minnesota

Geography for Business & Planning

Computer Skills in Geography

Geographic Information Systems

World Music & Culture (a half course, team-taught in our honors program)

Sustainability (also a half course, team-taught in our honors program)

invited talks

“Ukraine – Background and Current Events,” Birchwood Home, 2023.

“Why are Countries Rich or Poor,” Birchwood home, 2023.

“Migrations of Native Americans,” Birchwood home, 2023.

“An Overview of Human Migration,” Birchwood home, 2023.

“The Crow Creek Indian Reservation & Dacotah Tipis Habitat for Humanity,” First Unitarian Society of Minneapolis, 2020.

“Crow Creek and the U.S./Dakota War,” Faith Mennonite Church,” 2018.

“Africa A to Z: Africa’s Evolving Role in the World,” Association of American University Women, Minneapolis chapter, 2014.

“The Big and Small of Immigration”, Association of American University Women, Minneapolis chapter, 2014.

“Bolivia in Focus” to the Midwestern Undergraduate Research Symposium keynote address, 2012.

“Migration & Demography,” University of Minnesota’s Program in Occupational therapy, 2009.

“Why is Haiti Poor?” Haiti fundraiser for the African Nations student Association, 2009.

“Dambisa Moyo on Aid to Africa,” International Students, Macalester College, 2008.

“Latin America”, International Education Dinner Discussion, 2008.

“Bolivia,” Unity Unitarian Church, 2007.

“Adventures on the Road of Death in Bolivia”, Kent State University, 2005.

“An Introduction to Cuba: Its Geography and Culture,” Selim’s Senior Citizen series, 2001.

“Cuba,” the Jewish Community Center’s Men’s Club, 2001.

“Geographic Information Systems”, UST Computer Science Club, 1999.

“Japan”, for the St. Paul Chamber Orchestra prior to their trip, 1999.

“The Tissot Indicatrix and Measurement of Distortion in Map Projections”, Chinese Academy of Sciences in Beijing, 1999.

service

Location study for Eden Hospice, Bozeman, Montana, 2025.

Location study for the Cancer Support Community of Montana, 2023.

Board member, Dakotah Tipis Habitat for Humanity, Crow Creek reservation, Fort Thompson, South Dakota. 2015-2020.

Dissertation committee, Magied Alsquoor, University of St. Thomas, 2017.

Dissertation committee, Elizabeth Krause, Medical University of South Carolina, 2014-15.

Chair, Faculty Development Center, 2008-10.

Parliamentarian, Faculty Senate, 2002-03 & 2006-10.

Undergraduate Research and Collaborative Scholarship Board, 2000-10.

Chair, Social Science Division, 2005-10.

Faculty Advisor to Saudi Club, African Nations Student Association, various years.

Faculty Development Center board member, 2006-01.

Conference Chair, Midwestern Undergraduate Research Symposium, 2006.

UST representative to the Higher Education Consortium for Urban Affairs, 2005-10.

Assessment Committee, College of Arts & Sciences, 2002-07.

External Geography Department Reviewer, University of Wisconsin-River Falls, 2004.

Faculty Grants Office Advisory Board, 1997-2001.

Interim Director, Faculty Grants Office, 2001-02.

Chair, Geography Department, 1992-2001.

judge, State Geography Bee, 1994-2007, Head Judge, 1997.

University Senate member, 1995-2006.

Senate Ad Hoc Committee on University Governance, 2003.

College Senate member, 1995-99.

Chair, Social Analysis Review Committee, 1996-03, 1998-99, 2003.

MN GIS/LIS Conference Committee member, 1995-2000.

President, College Senate, 1999.
Environmental Studies Governance Committee, 1995-1999.
Chair, Conference, MN GIS/LIS, 1999.
Conference Committee, MN GIS/LIS, 1996-1999.
Chair, Geography Symposium, Minnesota Academy of Science, 1999.
Workshop Chair, MN GIS/LIS, 1995-98.
President, Minnesota Chapter of the American Society for Photogrammetry and Remote Sensing,
1993. Vice President, 1992.