

**PAUL R. VOSS**  
CURRICULUM VITAE

**OFFICE ADDRESS:** Department of Rural Sociology  
316 Agriculture Hall  
1450 Linden Drive  
University of Wisconsin-Madison  
Madison, Wisconsin 53706

Phone: 608/262-9526  
Fax: 608/262-6022  
E-mail: voss@ssc.wisc.edu

**HOME ADDRESS:** 2221 Regent Street  
Madison, Wisconsin 53726

**FORMAL EDUCATION:**

Ph.D., 1975	University of Michigan, Ann Arbor, Mich.	Sociology (Demography)
	Dissertation: <i>Social Determinants of Age at First Marriage in the United States</i>	
M.A., 1971	University of Michigan, Ann Arbor, Mich.	Sociology (Demography)
Graduate Study 1966-67	U.S. Naval Postgraduate School, Monterey, Calif.	Operations Research and Systems Analysis
B.A., 1962	Luther College, Decorah, Iowa	Mathematics

**PROFESSIONAL POSITIONS:**

2008 (effective July 1)	Research Associate and Senior Spatial Analyst, The Odum Institute for Research in Social Science and The Carolina Population Center, The University of North Carolina at Chapel Hill.
May, 2007- present	Research Associate, Cathie Marsh Centre for Census and Survey Research, Manchester University, England.
2006-present	Professor, Emeritus, Department of Rural Sociology (as of January 2006), University of Wisconsin-Madison and University of Wisconsin-Extension.
1990-present	Research Affiliate, Wisconsin Center for Demography and Ecology.
1976-2005	Professor Department of Rural Sociology, UW-Madison (1990-2006) Chair, Department of Rural Sociology (1995-1998) Director, Applied Population Laboratory (1990-95; 1996-1999; 2000-June. 2001) Director, Geographic Information & Analysis Core, Center for Demography and Ecology (1999-2005) Senior Scientist, Department of Rural Sociology (1988-90) Co-Director, Applied Population Laboratory (1988-90) Associate Scientist, Department of Rural Sociology (1983-87) Associate Director, Applied Population Laboratory (1983-87) Assistant Scientist, Department of Rural Sociology (1979-83) Project Associate, Department of Rural Sociology (1976-79) University of Wisconsin-Madison and University of Wisconsin-Extension
1973-1976	Lecturer, Department of Sociology Williams College Williamstown, Massachusetts Assistant Director, Roper Public Opinion Research Center (1975-76) Coordinator of Special Projects, Roper Public Opinion Research Center (1973-75)

**AWARDS, HONORS AND FELLOWSHIPS:**

Invited member, Science Advisory Committee of the Center for Public Information on

Population Research, Population Reference Bureau (PRB) (2008-2011)  
 Invited member, User Working Group, NASA Socioeconomic Data and Applications Center (SEDAC), Center for International Earth Science Information Network (CIESIN) (2007-2010)  
 Visiting Research Fellow, National Centre for Geocomputation, National University of Ireland at Maynooth, County Kildare, Ireland (July 2006-January 2007)  
 Honorary Visiting Fellow, Cathie Marsh Centre for Census and Survey Research, Manchester University, England (November 2006)  
 Invited faculty for course in Spatial Regression Analysis, Summer Statistics Program, InterUniversity Consortium for Political and Social Research (ICPSR) (2006-present)  
 Research Scholar, Population Project, International Institute for Applied Systems Analysis (IIASA), Laxenburg, Austria (sabbatical leave, 1999-2000)  
 Recipient (with Roger B. Hammer and Robin M. Blakely), E. Walter Terrie Award for Best Paper in Applied Demography at the Annual Meeting of the Southern Demographic Association, 2000.  
 Recipient, Vice-President's "Hammer Award for Efficiency in Government" (one of four non-Federal employees to share in this award given to the Census Bureau for the American Community Survey Initiative), 1999  
 Rural Sociological Society, Award for Excellence in Extension/Public Service, 1992  
 Gamma Sigma Delta (Honor Society of Agriculture), inducted 1989  
 Ford Foundation, State-University Intergovernmental Fellow, 1978-80  
 Teaching Fellow, Department of Sociology, University of Michigan, 1972  
 Population Council Fellow, 1971-72  
 Research Apprentice, Population Studies Center, University of Michigan, 1969-73  
 Patent (joint with Wm. E. Burns) of Hyperbolic Plotter, No. 3,624,912, U.S. Cl. 33-27H, 1969  
 Who's Who Among Students in American Universities and Colleges, 1962

## RESEARCH AND TEACHING INTERESTS:

Applied Demography; Small-Area Demography  
 Models of Population Estimation and Projection  
 Spatial Data Analysis; Spatial Statistics

## PUBLICATIONS

### BOOKS and JOURNALS:

- 2007-08 Voss, Paul R. (guest editor). *Spatial Demography*. Vol. 26, No. 5-6, and Vol. 21, No. 1. Double special issue of *Population Research and Policy Review*.
- 2006 Cork, Daniel L, and Paul R. Voss (eds). *Once, Only Once, and in the Right Place: Residence Rules in the Decennial Census*. Washington, DC: The National Academies Press.
- 1995 Rives, Norfleet W., Jr., William J. Serow, Anne S. Lee, Harold F. Goldsmith and Paul R. Voss (eds.). *Basic Methods for Preparing Small-Area Population Estimates*. Madison, WI: University of Wisconsin-Madison/Extension, Applied Population Laboratory.
- 1994 Kintner, Hallie J., Thomas W. Merrick, Peter A. Morrison and Paul R. Voss (eds.). *Demographics: A Casebook for Business and Government*. (Boulder, CO: Westview Press.)

### PEER REVIEWED JOURNAL ARTICLES:

- 2007 Voss, Paul R. 2007. "Demography as a Spatial Social Science." *Population Research and Policy Review* 26(5,6).
- 2007 Voss, Paul R. 2007. "Introduction" (to Special Issue on Spatial Demography). *Population Research and Policy Review* 26(5,6).
- 2006 Chi, Guangqing, and Paul R. Voss. 2006. "Migration Decision-Making: A Hierarchical Regression

- Approach.” *Journal of Regional Analysis & Policy* 35(2):47-59.
- 2006 Voss, Paul R., David D. Long, Roger B. Hammer, and Samantha Friedman. “County Child Poverty Rates in the U.S.: A Spatial Regression Approach.” *Population Research and Policy Review* 25(4):369-391.
- 2006 Chi, Guangqing, Paul R. Voss, and Steven Deller. “Rethinking Highway Effects on Population Change” *Public Works Management and Policy* 11(1):18-32.
- 2006 Voss, Paul R., and Guangqing Chi. “Highways and Population Change.” *Rural Sociology* 71(1):33-58.
- 2006 Van Auken, Paul, Roger B. Hammer, Paul R. Voss, and Daniel L. Veroff. “The American Community Survey in Counties with ‘Seasonal’ Populations.” *Population Research and Policy Review* 25(3):275-292.
- 2005 Johnson, Kenneth M., Paul R. Voss, Roger B. Hammer, Glenn V. Fuguitt, and Scott McNiven. “Temporal and Spatial Variation in Age-Specific Net Migration in the United States.” *Demography* 42(4):791-812.
- 2004 Hammer, Roger B., Susan I. Stewart, Richelle L. Winkler, Volker C. Radeloff, and Paul R. Voss. “Characterizing Dynamic Spatial and Temporal Residential Density Patterns from 1940-1990 across the North Central United States.” *Landscape and Urban Planning* 69:183-199.
- 2003 Hammer, Roger B., Robin M. Blakely, and Paul R. Voss. 2003. “The Effects of Integrating the U.S. Census Bureau’s Small Area Income and Poverty Estimates into the Appalachian Regional Commission’s Designation of Economically Distressed Counties.” *Economic Development Quarterly* 17(2):165-174.
- 2003 Field, Donald R., Paul R. Voss, Tracy K. Kuczenski, Roger B. Hammer, and Volker C. Radeloff. 2003. “Reaffirming Social Landscape Analysis in Landscape Ecology: Theoretical and Methodological Considerations.” *Society and Natural Resources* 16(4):349-361.
- 2003 Schnaiberg, Jill, Joan Riera, Monica G. Turner, and Paul R. Voss. “Explaining Human Settlement Patterns in a Recreational Lake District: Vilas County, Wisconsin, USA.” *Environmental Management* 30:24-34.
- 2001 Voss, Paul R., Roger B. Hammer, and Ann M. Meier. “Migration Analysis: A Case Study for Local Public Policy.” *Population Research and Policy Review* 20:581-603.
- 2001 Riera, Joan, Paul R. Voss, Stephen R. Carpenter, Timothy K. Kratz, Thomas M. Lillesand, Jill A. Schnaiberg, Monica G. Turner, and Mark W. Wegener. “Nature, Society and History in Two Contrasting Landscapes in Wisconsin, USA: Interactions between Lakes and Humans during the Twentieth Century.” *Land Use Policy* 18:41-51.
- 2001 Radeloff, Volker C., Roger B. Hammer, Paul R. Voss, Alice E. Hagen, Donald R. Field and David J. Mladenoff. “Human Demographic Trends and Landscape Level Forest Management in the Northwest Wisconsin Pine Barrens.” *Forest Science* 47(2):229-241.
- 2000 Kuczenski, Tracy K., Donald R. Field, Paul R. Voss, Volker C. Radeloff, and Alice E. Hagen. 2000. “Integrating Demographic and LandSat (TM) Data at a Watershed Scale.” *Journal of the American Water Resources Association* 36 (February):215-228.
- 2000 Radeloff, Volker C., Alice E. Hagen, Paul R. Voss, Donald R. Field, and David J. Mladenoff. “Exploring the Relationship between Census and Land Cover Data in a GIS.” *Society and Natural Resources* 13:599-609.
- 1991 Murdock, Steve H., Rita R. Hamm, Paul R. Voss, Darrell Fannin and Beverly Pecotte. "Evaluating Small-Area Population Projections." *Journal of American Planning Association* 75 (Autumn):432-443.
- 1991 Voss, Paul R. and Glenn V. Fuguitt. "The Impact of Migration on Southern Areas of Chronic Depression." *Rural Sociology* 56:660-679.
- 1988 Voss, Paul R., Ronald J. Gunderson and Robert Manchin. "Death Taxes and Elderly Interstate Migration." *Research on Aging* 10 (September):420-450.
- 1984 Rank, Mark R. and Paul R. Voss. "AFDC, Food Stamp, and Medicaid Utilization: A Research Note." *Journal of Sociology and Social Welfare* 11 (1):176-191.
- 1984 Klein, Ronald, Barbara E.K. Klein, Scot E. Moss, David L. DeMets, Ira Kaufman, and Paul R. Voss. "Prevalence of Diabetes Mellitus in South Central Wisconsin." *American Journal of Epidemiology* 119 (January): 54-61.

- 1982 Rank, Mark R. and Paul R. Voss. "Occupational Mobility Among Migrants Entering the Upper Great Lakes Region." *Rural Sociology* 47 (Fall):512-528.
- 1982 Rank, Mark R. and Paul R. Voss. "Patterns of Rural Community Involvement: A Comparison of Residents and Recent Migrants." *Rural Sociology* 47 (Summer):197-219.
- 1980 Voss, Paul R. "A Test of the 'Gangplank Syndrome' Among Recent Migrants to the Upper Great Lakes Region." *Journal of the Community Development Society* 11 (Spring):95-111.
- 1977 Voss, Paul R. "Data at the Roper Public Opinion Research Center for Researchers in the Sociology of Religion." *Review of Religious Research* 18 (Spring):290-292.
- 1977 Voss, Paul R. "Population Data in Social Science Data Archives: The Survey Holdings of the Roper Public Opinion Research Center." *Demography* 14 (February):141-144.

#### **BOOK CHAPTERS, REVIEWS, AND PROCEEDINGS VOLUMES:**

- 2007 Voss, Paul R. "Spatial Econometrics." Entry in *Encyclopedia of Geographic Information Science* (Karen K. Kemp, editor). Thousand Oaks, CA: Sage Publications.
- 2006 Voss, Paul R., Katherine J. Curtis White and Roger B. Hammer. "Explorations in Spatial Demography." Pp. 407-429 in William A. Kandel and David L. Brown (eds.) *Population Change and Rural Society*. Dordrecht: Springer.
- 2005 Kale, Balkrishna, David Egan-Robertson, Charles D. Palit, and Paul R. Voss. "The Migration Component in a Population Projections Model." *Proceedings of the 2005 Joint Statistical Meetings*, Minneapolis, MN.
- 2003 Voss, Paul R., Daniel L. Veroff, and David D. Long. "Wisconsin's People: A Portrait of Wisconsin's Population on the Threshold of the 21<sup>st</sup> Century." Thematic chapter in the *State of Wisconsin Blue Book: 2003-2004*. Joint Committee on Legislative Organization, Wisconsin Legislature.
- 2002 Kale, Balkrishna, David Egan-Robertson, Charles D. Palit, and Paul R. Voss. "County-Specific Life Tables." *Proceedings of the 2002 Joint Statistical Meetings*, New York, NY.
- 2002 Hammer, Roger B, Paul R. Voss, and Volker C. Radeloff. "Sub-County Spatial Patterns of Residential Development from 1940-1990 in Wisconsin's North Woods." Center for Demography and Ecology Working Paper, December.
- 2000 Field, Donald R., Roger B. Hammer, Tracy K. Kuczynski, Paul R. Voss, and Alice E. Hagen. "Applied Demography and Natural Resource Management: A Perspective for Refuge Managers on Social Change Along the Upper Mississippi Flyway." Pp. in *Human Dimensions of Natural Resource Management: Emerging Issues and Practical Applications*. St. Paul, MN: Minnesota Cooperative Fish and Wildlife Research Unit, Department of Fisheries and Wildlife, December.
- 2000 Voss, Paul R. 2000. "Rural Areas." *The Encyclopedia of the U.S. Census*, Margo Anderson (Editor in Chief), Congressional Quarterly Press.
- 2000 Voss, Paul R. 2000. Review of *The Atlas of Ethnic Diversity in Wisconsin*, by Kazimierz J. Zaniewski and Carol J. Rosen. *Wisconsin Magazine of History* 84 (Autumn):59-60.
- 1998 Voss, Paul R. "The Importance of the Census for Small Communities." *Economic Development Digest*, February, pp. 7-10. (Reprint of a 1997 presentation made as part of a Congressional Briefing.)
- 1998 Voss, Paul R. "The Importance of the Census for Small Communities." *Government Finance Review*, 14(5) October, p. 56.
- 1997 Kale, Balkrishna, Donald Harrier, Charles Palit, Paul Voss, and John Besl. "The Net Migration Problem in a Projections Model." *Proceedings of the American Statistical Association, Social Statistics Section*, New York, NY.
- 1997 Voss, Paul R. and Roger Hammer. "Making the Most of Migration Data: A Case Study of a Medium Size Metro Area." Proceedings of the Small City and Regional Community Conference. (Louisville, KY: The Kentucky Institute for the Environment and Sustainable Development, University of Louisville).
- 1995 Voss, Paul R., Charles D. Palit, Balkrishna D. Kale and Henry C. Krebs. "Censal Ratio Methods." Pp. 70-88 in Norfleet W. Rives, Jr., William J. Serow, Harold F. Goldsmith and Paul R. Voss (eds.), *Basic Methods for Preparing Small-Area Population Estimates*. (Madison, WI: University of Wisconsin-Madison/Extension, Applied Population Laboratory).

- 1994 Voss, Paul R. "Targeting Wealthy Ex-Wisconsinites in Florida: A Case Study in Applied Demography." Pp. 109-28 in Hallie J. Kintner, Thomas W. Merrick, Peter A. Morrison and Paul R. Voss (eds.), *Demographics: A Casebook for Business and Government*. (Boulder, CO: Westview Press).
- 1994 Kale, Balkrishna, John Besl, Charles Palit and Paul R. Voss. "Updating Age-Sex-Specific Net Migration Rates with Limited Data." *Proceedings of the American Statistical Association, Social Statistics Section*.
- 1993 Voss, Paul R. "Applied Demography and Rural Sociology." Pp. 145-70 in David L. Brown, Donald R. Field and James J. Zuiches (eds.), *The Demography of Rural Life*. (Ames, IA: Northeast Regional Center for Rural Development Publication No. 64).
- 1993 Kale, Balkrishna D., John Besl, Charles Palit, Paul R. Voss, Frederick Krantz and Henry Krebs. "An Extension of the Vital Statistics Method to Derive Survival Rates." *Proceedings of the American Statistical Association, Social Statistics Section*, New York, NY.
- 1992 Voss, Paul R., Thomas Corbett and Richard Randell. "Interstate Migration and Public Welfare: The Migration Decision Making of a Low Income Population." Pp. 111-47 in Patrick C. Jobes, John M. Wardwell and William F. Stinner (eds.), *Community, Society and Migration: Noneconomic Migration*. (Lanham, MD: University Press of America).
- 1991 Voss, Paul R. "Labor: People Who Power the Economy." Chapter 2 in William A. Strang and John P. Klus (eds.), *Wisconsin's Economy in the Year 2000*. Wisconsin Economy Study No. 23. (Madison, WI: School of Business, University of Wisconsin-Madison).
- 1988 Voss, Paul R. "A Demographic Portrait of Wisconsin's People." Pp. 70-95 in Sheldon Danziger and John F. Witte (eds.), *State Policy Choices: The Wisconsin Experience* (Madison, WI: University of Wisconsin Press).
- 1987 Voss, Paul R. "Relations Between Public Sector and Academic Demographers: Issues of Professional Preparation." Pp. 86-91 in David A. Swanson and Jerry W. Wicks (eds.) *Issues in Applied Demography* (Bowling Green, OH: PSRC Press).
- 1987 Voss, Paul R., Stephen J. Tordella and David L. Brown. "Role of Secondary Data." Pp. 156-170 in Donald E. Johnson, Larry R. Meiller, Lorna Clancy Miller and Gene F. Summers (eds.), *Needs Assessment: Theory and Methods* (Ames, IA: Iowa State University Press).
- 1986 Voss, Paul R. "Demographics and Rural Roads." Pp. 53-76 in David L. Chicoine and Norman Walzer (eds.), *Financing Local Infrastructure in Nonmetropolitan Areas* (New York: Praeger).
- 1985 Clifford, William B., Tim B. Heaton, Paul R. Voss and Glenn V. Fuguitt. "The Rural Elderly in Demographic Perspective." Pp. 25-55 in Raymond T. Coward and Gary R. Lee (eds.), *The Elderly in Rural Society* (New York: Springer Publishing Company).
- 1979 Fuguitt, Glenn V. and Paul R. Voss. "Recent Nonmetropolitan Population Trends." Pp. 1-50 in *Growth and Change in Rural America*. (Washington, D.C.: The Urban Land Institute).

#### MISCELLANEOUS PUBLICATIONS:

- 2007 Voss, Paul R. *The American Community Survey (ACS): Quality and Utility of ACS Multi-Year Estimates for Oneida and Vilas Counties, Wisconsin*. Final report to the U.S. Census Bureau, contract number YA1323-07-SE-0407, (December).
- 2004 Voss, Paul R. and Guangqing Chi. "On the Causality between Highway Expansion and Population Change: A Spatial Multivariate Regression Analysis." *Applied Demography* (a newsletter), Vol. 17, No. 2 (December):5-6.
- 2004 Voss, Paul R., Scott McNiven, Roger B. Hammer, Kenneth M. Johnson and Glenn V. Fuguitt. "County-Specific Net Migration by Five-Year Age Groups, Hispanic Origin, Race and Sex, 1990-2000." CDE Working Paper WP-2004-24.
- 2004 Voss, Paul R., David D. Long, Roger B. Hammer and Samantha Friedman. "County Child Poverty Rates in the U.S.: A Spatial Regression Approach." CDE Working Paper WP-2004-05.
- 2004 Voss, Paul R., Katherine J. Curtis White and Roger B. Hammer. "The (Re-)Emergence of Spatial

- Demography.” CDE Working Paper WP-2004-04.
- 2003 Hammer, Roger B., Paul R. Voss, and Volker C. Radeloff. 2003. “Sub-County Spatial Patterns of Residential Development from 1940-1990 in Wisconsin’s North Woods.” CDE Working Paper WP-2002-13.
- 2003 Kale, Balkrishna, David Egan-Robertson, Charles D. Palit, and Paul R. Voss. 2002. “County-Specific Life Tables.” *Proceedings of the 2002 Joint Statistical Meetings*, New York, NY, August 12-15.
- 2001 Field, Donald R., Paul R. Voss, Roger B. Hammer, and Volker C. Radeloff. *Demography, Community and Social Landscapes: Exploring Concepts and Methods*. Final Report to the U.S. Forest Service, Forestry Sciences Laboratory, Athens, GA (Contract SRS 33-CA-97-131).
- 2000 Voss, Paul R. “Age Structure and Profitability in America’s Top Law Firms.” Analytical report prepared for the Special Projects Editor, *American Lawyer*. April.
- 2000 Blakely, Robin M., Roger B. Hammer, Daniel L. Veroff, and Paul R. Voss. “The Impact of the U.S. Census Bureau’s Small Area Income and Poverty Estimates on the ARC ‘Distressed Counties’ Designation.” Final report to the Appalachian Regional Commission, August.
- 1999 Voss, Paul R., David D. Long, and Roger B. Hammer. “When Census Geography Doesn’t Work: Using ancillary Information to Improve Spatial Interpolation of Demographic Data.” Center for Demography and Ecology Working Paper No. 99-26.
- 1999 Voss, Paul R. “The American Community Survey and Small American Communities.” Commissioned chapter in Joseph Waksberg, Daniel Levine, and Graham Kalton, *The American Community Survey: A Report on the Use of Multi-Year Averages*. (Rockville, MD: Westat, Inc.)
- 1998 Donald R. Field, Paul R. Voss, and others. *Applied Demography and Socially Constructed Landscapes: Preliminary Conceptualization at Defining Community Capacity at a Landscape Scale*. Report to the Wisconsin Department of Natural Resources under DNR Purchase Order No. NMG00001986.
- 1998 Voss, Paul R. “The Decennial Census: Statistical Storyteller.” Newsletter article in *Rural Development News*, 22(2) Summer, p. 15.
- 1998 Paul R. Voss, Roger B. Hammer, and Ann M. Meier. “A Welfare Magnet and a Brain Drain? A Case Study of Migration in a Medium Sized Metropolitan Area.” Center for Demography and Ecology Working Paper 98-17.
- 1997 Perry, Marc J. and Paul R. Voss. *A Mosaic of the Rural Midwest: Formulating and Utilizing a Geodemographic Clustering System for Census Block Groups in the Twelve Midwestern States*. (Ames, IA: North Central Regional Center for Rural Development, November).
- 1997 Field, Donald R., Paul R. Voss, Tracy Kuczenski, Robin Blakely, and Alice Hagen. *Applied Demography and Socially Constructed Landscapes: Defining Community Capacity at a Landscape Scale*. Report to the Wisconsin Department of Natural Resources, October.
- 1997 Bianchi, Suzanne, Reynolds Farley, and Paul R. Voss. *Using the Census: What It Tells Us About America’s People, Workforce, and Small Communities*. (Washington, D.C.: Consortium of Social Science Associations, May).
- 1996 Voss, Paul R. and Balkrishna D. Kale. “Obituary for Henry C. Krebs, 1925-1995.” *Applied Demography Newsletter*, Fall.
- 1996 Blakely, Robin M., Paul R. Voss, Edward Wallander, and Alice Hagen. *Patterns of Child Poverty: A State and County Level Analysis, 1980-1990*. Report prepared under contract to the Annie E. Casey Foundation, October.
- 1996 Gibson, Richard M., Glenn V. Fuguitt and Paul R. Voss. *Net Migration by Age for Wisconsin Counties, 1950-1990*. Population Series 90-5. Applied Population Laboratory, Department of Rural Sociology, April.
- 1996 Perry, Marc J. and Paul R. Voss. “Using Geo-Demographic Methods for Improving Small-Area Population Estimates.” *Center for Demography and Ecology Working Paper No. 96-15*. (Madison, WI: Center for Demography and Ecology, University of Wisconsin-Madison).
- 1995 Blakely, Robin M., Paul R. Voss and E.W. Wallander. *Indicators of Child-Well-Being in the United States, 1985-1992: An Analysis of Related Factors*. Final Research Report to the Annie E. Casey Foundation. (Madison, WI: University of Wisconsin-Madison, Applied Population Laboratory,

- December).
- 1995 Voss, Paul R. 1995. *Time-Series Forecasts of the Wisconsin Offender Populations: 1994-95*. Final Report to the Wisconsin Department of Corrections. (Madison, WI: Applied Population Laboratory, University of Wisconsin-Madison, December).
- 1995 Alig, Joanne T. And Paul R. Voss. *National Forests of Wisconsin: Demographics and Recreation Participation*. Research Note FPL-RP-542. Madison, WI: U.S. Department of Agriculture, Forest Service, Forest Products Laboratory, September.
- 1995 Voss, Paul R. *Population Forecasts*. Three technical reports to the Wisconsin Department of Corrections, January 11, May 5, and July 28.
- 1995 Voss, Paul R. and others. *Final Report on Activities: APDU Year 2000 Census Content Working Group*. Princeton, NJ: Association of Public Data Users. Report I, "Overview and Summary of Responses," April 12; Report II, "Case Studies Addendum," June 1.
- 1995 Voss, Paul R. "Cost of Living Differentials Among Wisconsin Counties." Report to the Division of Cooperative Extension, University of Wisconsin-Extension, May 23.
- 1995 Dinwiddie, James, Paul R. Voss and Richard Rockwell. *Final Report to the Secretary of Commerce*. Final report of the Advisory Committee to the Commerce Department's Task Force for Planning the Year 2000 Census and Census-Related Activities for 2001-2009, March.
- 1994 Kale, Balkrishna D. and Paul R. Voss. "Census 2000: Fundamental Changes Proposed." *Wisconsin State Data Center News*, July.
- 1994 Kweller, Ronnie J. and Paul R. Voss. "Census Bureau Strives for Improvement in 2000." *NATaT News*, National Association of Towns and Townships, July.
- 1994 Alig, Joanne, T. and Paul R. Voss. "Linking Demographics with Participation Rates for Recreation on the National Forests in Wisconsin." Report submitted to the U.S. Forest Service in fulfillment of Cooperative Agreement FP-93-2067, September.
- 1994 Kehoe, Erin, and Paul R. Voss. *Dane County Migration Study: Part 2*. (Madison, WI: University of Wisconsin-Madison, Applied Population Laboratory, August).
- 1994 Stumbras, Bernard, and Paul R. Voss. *Report on the Impact of In-Migration of Persons to Dane County on the Dane County Department of Human Services*. Presented to the Dane County Board of Supervisors and the Dane County Executive, July.
- 1994 Kehoe, Erin, and Paul R. Voss. *Dane County Migration Study: Part 1*. (Madison, WI: University of Wisconsin-Madison, Applied Population Laboratory, July).
- 1993 Voss, Paul R. "Evaluation of Alternative Methods for Projecting High School Graduates and the Presentation of Two New Sets of Projections of Wisconsin High School Graduates." Final Report to the Associate Vice President, University of Wisconsin System Administration.
- 1993 Voss, Paul R. "Projections of Wisconsin High School Graduates for Metropolitan Areas and Nonmetropolitan Regions." Final Report to the Associate Vice President, University of Wisconsin Administration.
- 1993 Voss, Paul R. "Review and Evaluation." Detailed review of the *Interim Report of the Panel on Census Requirements in the Year 2000 and Beyond*, prepared for the National Academy of Sciences, National Research Council.
- 1993 Voss, Paul R. "Review and Evaluation of the Department of Correction's Forecasting Models." Final Report to the Wisconsin Department of Corrections.
- 1993 Voss, Paul R. "Forecasts of Wisconsin Prison Population: Institutionals, Probationers and Parolees." Final Report to the Wisconsin Department of Corrections.
- 1993 Walther, Rachel and Paul R. Voss. "Wisconsin." Section in *A Guide to State and Local Census Geography*, 1990 CPH-I-18, U.S. Department of Commerce, Bureau of the Census, in conjunction with the Association of Public Data Users (APDU).
- 1992 Voss, Paul R. Five issues of *WisKids Bulletin*: "Changing Families: Living Arrangements of Wisconsin's Children"; "Hispanic Children in Wisconsin"; "Asian Children in Wisconsin"; "Black Children in Wisconsin"; "American Indian Children in Wisconsin." Published by the Wisconsin Council on Human Concerns.
- 1991 Voss, Paul R. "Reflections on Bowling Green." *Applied Demography*, Vol. 6, No. 1, Spring.
- 1991 Voss, Paul R. "Wisconsin's Geography." Write-up prepared for the *Geographic Concepts Manual*,

- published by the Association of Public Data Users, February.
- 1991 Voss, Paul R. and Glenn V. Fuguitt. "The Impact of Migration on Rural Areas of Chronic Depression." *CDE Working Paper* 91-25. (Madison, WI: Center for Demography and Ecology).
- 1991 Voss, Paul R. "Congressional Reapportionment: What It Means For Wisconsin." *Population Note* No. 21. (Madison, WI: Applied Population Laboratory, Department of Rural Sociology, March).
- 1990 Voss, Paul R. "Notes from the Field." *Applied Demography* 5 (Winter):7.
- 1989 Murdock, Steve H., Rita R. Hamm, Darrell Fannin, Beverly Pecotte and Paul Voss. *Evaluating Small-Area Population Estimates and Projections*. Applied Community Research Monograph E3, (Alexandria, VA: American Chamber of Commerce Researchers Association).
- 1989 Fuguitt, Glenn V. and Paul R. Voss. *The Impact of Migration on Nonmetropolitan Areas of Chronic Economic Depression in the South*. Final report to the Ford Foundation and Rural Economic Policy Program of the Aspen Institute for Humanistic Studies, July.
- 1987 Voss, Paul R. and Glenn V. Fuguitt. *Changes in Wisconsin Population*. Hatch Centennial Publication (Madison, WI: University of Wisconsin-Madison, Wisconsin Agricultural Experiment Station).
- 1986 Voss, Paul R., Thomas Corbett and Bernard Stumbras. *The Migration Impact of Wisconsin's AFDC Benefit Levels: Report of the Welfare Magnet Study Committee* (Madison, WI: Office of the Governor, Wisconsin Expenditure Commission, December).
- 1986 Kale, Balkrishna D., Paul R. Voss and Henry C. Krebs. "Tracking County Level Projections: The Wisconsin Experience." *Applied Demography*, Vol. 2, No. 2 (November):1-6.
- 1986 McKelvy, Chandler, Paul R. Voss and Dennis Collier. *Migration to and from Wisconsin, Michigan and Minnesota*. Report prepared for Competitive Wisconsin, Inc., July.
- 1986 Voss, Paul R. and Balkrishna D. Kale. *Wisconsin Small-Area Baseline Population Projections*. Wisconsin State Data Center Series 80-1 (Madison, WI: Applied Population Laboratory, Department of Rural Sociology, March).
- 1986 Tangwall, Doug and Paul R. Voss. "Wisconsin's Metropolitan Areas." *Population Note* No. 17. (Madison, WI: Applied Population Laboratory, Department of Rural Sociology, February).
- 1985 Adamchak, Donald, Paul R. Voss and Lorraine Garkovich. *Population Change in the Mid-Continent, 1950-1980*. North Central Regional Research Publication No. 308. (Lexington, KY: Kentucky Agricultural Experiment Station, University of Kentucky, September).
- 1985 Voss, Paul R. "State Population Growth Slows During First Half of 1980s." *Wisconsin State Data Center News*. (Madison, WI: Applied Population Laboratory, Department of Rural Sociology, Summer/Fall).
- 1985 Voss, Paul R. *Migration of Low Income Families and Individuals*. Final Report to the Wisconsin Department of Health and Social Services. (Madison, WI: Applied Population Laboratory, Department of Rural Sociology, May).
- 1985 Rank, Mark R. and Paul R. Voss. "Wisconsin's Welfare Population: A Longitudinal Study." Pp. 176-204 in Nancy J. Kanaskie (ed.) *Poverty in Wisconsin*. (Madison, WI: Applied Population Laboratory, Department of Rural Sociology, February).
- 1984 Voss, Paul R. "Components of Regional Population Change." Chapter 4 in *The Population of Southeastern Wisconsin*. (Waukesha, WI: Southeastern Wisconsin Regional Planning Commission).
- 1984 Voss, Paul R., Stephen J. Tordella, and Robert Manchin. *Migration and Death Taxes: Evidence from the 1980 Census of Population*. Final Report to the Wisconsin Department of Development. (Madison, WI: Applied Population Laboratory, Department of Rural Sociology, April). Reprinted in *Wisconsin Business Climate Study: April, 1984*. (Yankelovich, Skelly and White, Inc., Arthur Anderson & Co., Applied Population Laboratory, April).
- 1984 Guhleman, Patricia A. and Paul R. Voss. "Housing Wisconsin's Population: 1950-1980." *Population Note* No. 14. (Madison, WI: Applied Population Laboratory, Department of Rural Sociology, January). An expanded version of this Population Note also appeared as "Housing Wisconsin's Population: Three Decades of Change," pp. 21-46 in Eleanor Cautley (ed.) *Demographic Change in Wisconsin: Trends and Outlook*. (Madison, WI: Applied Population Laboratory, Department of Rural Sociology, January).
- 1984 Rank, Mark R. and Paul R. Voss. "Demographic Characteristics of Wisconsin's Welfare Recipients." *Population Series* 80-2 (Madison, WI: Applied Population Laboratory, Department of Rural



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- 1982 Voss, Paul R. *Estimates and Projections of the Veteran Population for States, Medical Districts and Primary Service Areas*. Final Report to the Veterans Administration, Washington, D.C. (Madison: Applied Population Laboratory, Department of Rural Sociology, July).
- 1982 Rank, Mark R. and Paul R. Voss. *Demographic Characteristics of Wisconsin's Aid to Families with Dependent Children, Food Stamp, and Medicaid Recipients*. Final Report to the Division of Economic Assistance, Wisconsin Department of Health and Social Services. (Madison: Applied Population Laboratory, Department of Rural Sociology, June).
- 1981 Voss, Paul R. and Stephen J. Tordella. "Population Change in Wisconsin: 1950-1980." *Population Note* No. 12. (Madison: Applied Population Laboratory, Department of Rural Sociology, July).
- 1981 Voss, Paul R., Charles D. Palit, Balkrishna Kale and Henry C. Krebs. "Population Projections for States: An Analysis of Error Structure". Pp. 436-441 in *Proceedings of the Social Statistics Section*, American Statistical Association.
- 1981 Voss, Paul R., Stephen J. Tordella and Amy Glynn. "Population Change in Wisconsin: A Retrospective Look at the 1970's." Pp. 79-85 in Edward J. Miller and Robert P. Wolensky (eds.), *Proceedings of the 4th Annual Conference on the Small City and Regional Community*. (Stevens Point, Wisconsin: University of Wisconsin-Stevens Point).
- 1981 Voss, Paul R. "Political Implications of the 'Gangplank Syndrome' for Small Communities in the Upper Great Lakes Region." Pp. 125-152 in Richard W. Crockett (ed.), *Symposium Proceedings: The Politics of the Small Community*. (Macomb, Illinois: Western Illinois University).
- 1981 Voss, Paul R., Charles D. Palit, Balkrishna D. Kale and Henry C. Krebs. *Forecasting State Populations Using ARIMA Time Series Techniques. Technical Series* 70-6. (Madison: Applied Population Laboratory, Department of Rural Sociology, January).
- 1980 Chenaut, Maria V. and Paul R. Voss. "Determinants of Community Satisfaction Among Recent Nonmetropolitan Migrants." Pp. 9-20 in *The Small City and Regional Community*, Robert P. Wolensky and Edward J. Miller, eds. (Stevens Point, Wisconsin: University of Wisconsin-Stevens Point).
- 1980 Voss, Paul R., Charles D. Palit, Balkrishna Kale and Henry C. Krebs. "An Investigation of the Performance of Simple Time Series Models to the Forecasting of Human Populations." Pp. 257-262 in *Proceedings of Social Statistics Section*, American Statistical Association).
- 1980 Voss, Paul R. "Demographic Projections: Searching for an 'Official' View of the Future." *Wisconsin State Data Center News* Vol. 1, No. 2, June).
- 1980 Voss, Paul R. and Mark R. Rank. "Characteristics of Recent Migrants to Nonmetropolitan Northern Wisconsin." *Population Notes* No. 10. (Madison, Wisconsin: Applied Population Laboratory, Department of Rural Sociology, May).
- 1980 Voss, Paul R. "Rural Population Dynamics." Pp. 23-45 in *Current Issues in Farmland Preservation Planning*, David Fodroczi, ed. (Madison, Wisconsin: University of Wisconsin-Extension).
- 1979 Voss, Paul R. and Henry C. Krebs. *The Use of Federal Revenue Data for Improving Current Estimates of Average Household Size for Minor Civil Divisions: An Evaluation. Technical Series* 70-5. (Madison: Applied Population Laboratory, Department of Rural Sociology, August).
- 1979 Palit, Charles D., Paul R. Voss, James Issos, Balkrishna Kale and Henry C. Krebs. "An Experiment in Small-Area Population Forecasting." Pp. 233-237 in *Proceedings of the Social Statistics Section*, American Statistical Association).
- 1979 Voss, Paul R. "Breaks With the Past: Ties to Former Communities Among Recent Migrants to the

- Upper Great Lakes Region." Pp. 33-41 in *The Small City and Regional Community*, Edward J. Miller and Robert P. Wolensky, eds. (Stevens Point, Wisconsin: University of Wisconsin-Stevens Point).
- 1979 Voss, Paul R. and Glenn V. Fuguitt. *Turnaround Migration in the Upper Great Lakes Region*. Final Project Report presented to the Upper Great Lakes Regional Commission, Washington, D.C., August. Published in *Population Series* 70-12. (Madison: Applied Population Laboratory, Department of Rural Sociology, August).
- 1979 Slesinger, Doris P. and Paul R. Voss, (eds.). *Recent Trends in Wisconsin's Population*. Report on a Conference on Recent Trends in Wisconsin's Population. (Madison: Applied Population Laboratory, Department of Rural Sociology, April).
- 1979 Voss, Paul R. and Glenn V. Fuguitt. "Characteristics of Recent Migrants to Wisconsin's North Country." Pp. 118-140 in *Recent Trends in Wisconsin's Population*, Doris P. Slesinger and Paul R. Voss (eds.). Madison: Applied Population Laboratory, April).
- 1979 Fuguitt, Glenn V. and Paul R. Voss. "Population Growth in Rural America." *Environmental Comment* (February, 1979):1-9.
- 1978 Voss, Paul R. *Precision in the Wisconsin Small-Area Population Estimation System: A Study of Variation in Estimates as Length of Time from the Estimation Base Year Increases*. *Technical Series* 70-3. (Madison: Applied Population Laboratory, Department of Rural Sociology, April).
- 1978 Kale, Balkrishna and Paul R. Voss. *The Wisconsin Population Estimation System: An Evaluation Based on Special Census Enumerations*. *Technical Series* 70-4. (Madison: Applied Population Laboratory, Department of Rural Sociology, April).
- 1977 Voss, Paul R. and Balkrishna Kale. "Small Area Population Estimates in Wisconsin: An Examination of the Relative Accuracy of Estimates Derived from Three Symptomatic Data Files." Center for Demography and Ecology, *CDE Working Paper* 77-47.
- 1977 Voss, Paul R. "Social Determinants of Age at First Marriage in the United States" Center for Demography and Ecology, *CDE Working Paper* 77-46.
- 1977 Voss, Paul R. *Annual Report of Demographic Research: A Summary of Work Carried Out Under Contract Between the Wisconsin Department of Administration and the University of Wisconsin-Madison*. (Madison: Applied Population Laboratory, Department of Rural Sociology, October).

## **PROFESSIONAL SERVICE**

### **U.S. DEPARTMENT OF COMMERCE:**

Decennial Census Advisory Committee; PAA representative (1992-1999; 2000-2003)

### **U.S. BUREAU OF THE CENSUS:**

Consultant for the ACS Multi-Year Estimates Study (2007)

Advisory Committee of Professional Associations; representative of PAA (1994-99)

American Community Survey Product Development Group; member (1996-01)

Federal-State Cooperative Program for Population Estimates; frequent participant (1976-99)

Federal-State Cooperative Program for Population Projections; occasional participant (1980-99)

Planning Group of Technical Experts to Review and Assess Current Population Estimating Procedures and Develop the Content for a 2005 Conference on Intercensal Population Estimates, member (2004)

Consultation regarding appropriate ways to make population estimation assumptions in areas affected by Hurricane Katrina (2005).

Participated in and Served as Session Chair for session "Evaluation of Data on the Foreign Born from the American Community Survey, National and Subnational Findings," U.S. Census Bureau Conference on Immigration Statistics: Methodology and Data Quality (Washington DC, January 2006)

### **NATIONAL ACADEMY OF SCIENCES, NATIONAL RESEARCH COUNCIL:**

Chair, Panel on Residence Rules in the Decennial Census (2004-06); co-editor of final report (2006)  
Liaison to Panel on the Functionality and Usability of Data from the American Community Survey (2004-06)  
Panel on Estimates of Poverty for Small Geographic Areas, member (1996-2000)  
Working Group on Population Estimates, member (1997)  
Working Group on Estimates of Poverty for School Districts, member (1997)

**U.S. DEPARTMENT OF EDUCATION, NATIONAL CENTER FOR EDUCATION STATISTICS:**

Participant, NCES Expert Panel on Reporting Education Indicators relating to Urbanicity and Poverty (2004)

**POPULATION ASSOCIATION OF AMERICA (PAA):**

Mindel C. Sheps Award Committee, member (2007-present)  
Annual Meeting Program Committee, member (2003, 2005, 2006 & 2007)  
Helped organize and presented (with Roger Hammer) at the Pre-Conference Workshop, "GIS and Spatial Analysis: Demographic Applications," held in conjunction with the Annual Meeting of the PAA, Atlanta (2002).  
Committee on Population Statistics, *Ex Officio* member (1992-99); member (2001-present); chair (2005)  
Subcommittee on Migration Statistics; member (1987-88)  
Subcommittee on the Rural/Urban Definition; member (1978-81)  
Representative of PAA to the U.S. Commerce Department's Advisory Committee for Designing the Year 2000 Census and Census Related Activities for 2000 to 2009 (1992-99; 2000-03)  
Representative of PAA (one of four) to the Census Bureau's Advisory Committee of Professional Associations (1994-99)  
Steering Committee, State and Local Demography Interest Group; member (1989-92); Chair (1991-92)  
Applied Demography Committee; member (1992-95)  
Ad hoc Committee to Evaluate the PAA's Relationship to the Population Resource Center; member (1991-93)  
Board of Directors; elected member (1986-88)  
Finance Committee; member (1986-88); chair (1988)  
*Ad hoc* Committee on Planning for the 1990 Census; member (1985-86)

**RURAL SOCIOLOGICAL SOCIETY (RSS):**

Editorial Board, *Rural Sociology* (2005-present)  
RSS Representative to the Council of Professional Associations for Federal Statistics (COPAFS) (2004-07)  
Co-Organizer of half-day pre-conference workshop, "Spatial Analysis for Rural Sociology and Agricultural Economics," 2003 Annual Meeting  
Membership Committee (1990-91)  
Program Committee for Annual Meeting (1990)  
*Ad hoc* Committee on the 1990 Census; member (1986-88)  
Nominations Committee (1998-99)

**INTER-UNIVERSITY CONSORTIUM FOR POLITICAL AND SOCIAL RESEARCH (ICPSR)**

Instructor (joint with Katherine White) for course "Introduction to Spatial Regression Analysis." ICPSR Summer Program 2006 and 2007.

**USDA EXPERIMENT STATIONS:**

W-1001 Multistate Research Project; participant (2002 – 2005)  
NCR-146 Regional Research Project; member of this and predecessor groups (1976-94)

**OTHER PROFESSIONAL SERVICE:**

Consultant and author of report, *American Community Survey Handbook for Rural Areas, Including Tribal and Small Local Governments*, (November, 2007, - July 31, 2008).

Consultant and Senior Methodologist, Third Wave Research Group, Ltd., Madison, Wisconsin, (1996-present).

Guest Editor of double special issue on topic of Spatial Demography. *Population Research and Policy Review* 26(5-6) and 27(1) (2007-08)

Editorial Board, member, *Demography*, (2002-05)

Editorial Board, member, *Rural America* (on-line journal) (2004-05)

Consultant to Congressional General Accounting Office regarding the Census Bureau's American Community Survey (2003)

Consultant to the GIS and Population Science workshop series sponsored by the Population Research Institute, Penn State University and the Center for Spatially Integrated Social Science, Santa Barbara (2004-06)

Frequent proposal reviewer, USDA NRICGP; NSF BCS: Geography & Regional Science

Consultant to WESTAT Corporation regarding the implications for rural areas of the Census Bureau's proposed American Community Survey (1998)

Consultant to the Population Reference Bureau and the Annie E. Casey Foundation regarding the utility of the Census Bureau's new series of estimates of children in poverty (1998)

Technical Advisory Committee on Socioeconomic Status, Southeastern Wisconsin Regional Planning Commission; member (1994-present)

2000 Census Content working Group, Association of Public Data Users; member (1994-95)

Technical Committee, Wisconsin Occupational Information Coordinating Council, Wisconsin Department of Industry, Labor and Human Relations; member (1988-95)

Wisconsin Inter-Agency Committee for 1990 Census Analysis; member (1990-93)

Planning Committee, Conference of Wisconsin Local Officials; member (1991)

Technical Subcommittee, Wisconsin Legislative Committee on 1990 Redistricting (1990-91)

Local Support Subcommittee, chair (1990-91)

*Ad hoc* Committee for 1990 Census Promotion, Wisconsin Department of Administration; member (1989-90)

Committee on Applied Demography, Southern Demographic Association; member (1978-89)

Technical Committee, Governor's Expenditure Commission; member (1986-87)

Advisory Committee on Social Indicators, Social Science Research Council; member (1980)

Advisory Committee on Family, Age and Sex Roles Data, Inter-University Consortium for Political and Social Research; member (1977-79)

#### **SERVICE TO THE UNIVERSITY OF WISCONSIN:**

Organizer CDE GIA Core Speakers Colloquium (2000-present)

Organizer (with Glenn Fuguitt) of session on Population Distribution for the 40<sup>th</sup> Anniversary Symposium, Center for Demography and Ecology (2002)

Member, Research Advisory Committee, College of Agricultural and Life Sciences (2002-present)

Member, University of Wisconsin Survey Center Steering Committee (2001-present)

Member, Rating Panel of applicants for an Academic Department Supervisor position (2002)

Department of Rural Sociology; Chair (1995-98); chair of various departmental committees (1990 - present)

Applied Population Laboratory; Director (1990-95; 1996-1999; 2000-June 2001)

Faculty Senate; Senator (1995-98)

UW Spatial Information and Analysis Consortium (1993-present)

Search and Screen Committee Executive Associate Dean, College of Agricultural and Life Sciences; member (1998-99)

*Ad hoc* committee to evaluate the CALS Human Resources Unit, College of Agricultural and Life Sciences; chair (1998-99)

Advisory Committee, Sociology Department CAR program; member (2000-present)

Steering Committee, Center for Demography and Ecology (1990-present)

Steering Committee, Social Science Computing Cooperative; representative (1990-2004)

Planning Committee, UW Interdisciplinary Transportation Management & Policy Curriculum (2001-2003)

Chairs Council, College of Agricultural and Life Sciences; member (1996-97)  
Academic Staff Area Review Committee, Social Sciences and Humanities; member, appointed by Chancellor, (1978-95); chair (1981-83)  
Search and Screen Committee, Associate Dean for Extension, College of Agricultural and Life Sciences; member (1991-92)  
Honorary Recognition Committee, College of Agricultural and Life Sciences; member (1991-92)  
Review Team, UW-Madison Vocational Studies Center; campus representative (1990-91)  
Lecture Series Planning Committee, La Follette Institute of Public Affairs; member (1986-89)  
Planning Committee for establishment of the Center for the Wisconsin Economy; member (1994-95)

## **GRADUATE STUDENT SUPERVISION**

### **DISSERTATIONS DIRECTED:**

Fulton, John. *Differences between African-American and Whites in Migration to the United States South, 1955-2000*. 2007.  
Guangqing Chi, *A Holistic, Spatio-Temporal, Theory-Based Approach to Small Area Forecasting*. University of Wisconsin-Madison, 2006.  
Mark R. Rank, *The Dynamics of Welfare Utilization: A Longitudinal Analysis of Households Receiving Public Assistance*, University of Wisconsin-Madison, 1984.

### **THESES DIRECTED:**

Erin Kehoe, *Migration To and From a Midwestern Metropolitan County: A Case Study*, University of Wisconsin-Madison, 1994.  
Megan Polzer, *County-Level Population Estimates: An Application of the Composite Method*, University of Wisconsin-Madison, 1994.  
Marc J. Perry, *Continuation of the Turnaround? Patterns of Net Migration in the Wisconsin Northwoods, 1980-1990*, University of Wisconsin-Madison, 1992.  
N. Louise Stevenson, *Employment of Young Adults: Evaluating a Population Projection Model*, University of Wisconsin-Madison, 1992.  
Dana Jeanne Soloff, *Migration Motivations and Wisconsin's AFDC Poor: A Dynamic Analysis of Employment and Welfare Patterns*, University of Wisconsin-Madison, 1991.  
Michael Reibel, *Greener Pastures: A Model of Job Opportunity and Migration Decision-Making in the U.S.*, University of Wisconsin-Madison, 1991.  
Thomas E. Godfrey, *The Relationship between Economic Conditions and Outmigration Rates: A Comparative Analysis of Low and High Income Counties*, University of Wisconsin-Madison, 1988.  
A. Elizabeth Frank, *An Evaluation of the Migration Push-Pull Framework Using Data for Low-Income Interstate Migrants*, University of Wisconsin-Madison, 1988.  
David John Landry, *The Selective Impact of Migration on the Educational Composition of Wisconsin's Population*, University of Wisconsin-Madison, 1986.