

VITA

Patricia Gober

gober@asu.edu

Arizona State University
School of Geographical Sciences and Urban Planning (SGSUP)
P.O. Box 875302
Tempe, AZ 85287-5302
Phone: 480-965-7533 (SGSUP); 480-965-3367 (Decision Center for a Desert City)
Fax: 480-965-8313 (SGSUP); 480-965-8383 (DCDC)

ACADEMIC TRAINING:

PhD 1975 Ohio State University
MA 1972 Ohio State University
BS Ed 1970 University of Wisconsin, Whitewater

AREAS OF SPECIALIZATION:

Water Policy
Decision Making Under Uncertainty
Urban Geography
Migration

PROFESSIONAL APPOINTMENTS:

2015-present Interim Director, School of Geographical Sciences and Urban Planning, Arizona State University

2015-present Professor Emeritus, Johnson-Shoyama Graduate School of Public Policy, University of Saskatchewan

2011-2014 Professor, Johnson-Shoyama Graduate School of Public Policy, University of Saskatchewan

2011-present Research Professor, School of Geographical Sciences and Urban Planning, Arizona State University

2011-present Professor Emeritus, School of Geographical Sciences and Urban Planning, Arizona State University

- 2008-2010 Professor, School of Sustainability, Arizona State University
- 2007-2010 Distinguished Honors Faculty, Barrett the Honors College at Arizona State University
- 2004-2011 Co-Director, Decision Center for a Desert City, Global Institute of Sustainability, Arizona State University
- 2003-2010 Policy Research Associate, Morrison Institute for Public Policy, Arizona State University
- Fall 1992 Visiting Professor, Department of Geography, University College London
- 1985-1991 Chair, Department of Geography, Arizona State University
- 1984-1985 Acting Chair, Department of Geography, Arizona State University
- 1985-2010 Professor of Geography, Arizona State University
- 1980-1985 Associate Professor of Geography, Arizona State University
- 1975-1980 Assistant Professor of Geography, Arizona State University
- 1972-1973 Research Geographer, Battelle Memorial Institute, Columbus, Ohio
- 1971-1975 Graduate Teaching Associate, Ohio State University
- 1970-1974 Research Fellow, Ohio State University

BOOKS:

Patricia Gober (2006) *Metropolitan Phoenix: Place Making and Community Building in the Desert*. Philadelphia: University of Pennsylvania Press, 233 pp.

Michael Kuby, John Harner, and **Patricia Gober** (2013) *Human Geography in Action* (Sixth Edition). New York: Wiley, 560 pp.

Michael Kuby, John Harner, and **Patricia Gober** (2009) *Human Geography in Action* (Fifth Edition). New York: Wiley, 523 pp.

Michael Kuby, John Harner, and **Patricia Gober** (2007) *Human Geography in Action* (Fourth Edition). New York: Wiley, 528 pp.

Michael Kuby, John Harner, and **Patricia Gober** (2004) *Human Geography in Action (Third Edition)*. New York: Wiley.

JOURNAL ARTICLES:

K. L. Larson, Dave D. White, **Patricia Gober**, and Amber Wutich (2015) Decision making under uncertainty for water sustainability and urban climate change adaptation. *Sustainability* <http://www.mdpi.com/2071-1050/7/11/14761>.

Howard S. Wheeler and **Patricia Gober** (2015) Water Security and the science agenda. *Water Resources Research*, 51(7): 5406-5424.

Patricia Gober and Howard S. Wheeler (2015) Debates-Perspectives on Socio-Hydrology: Modeling flood risk as a public policy problem. *Water Resources Research*, 51 (6): 4782-4788.

Chuang, Wen-Ching, and **Patricia Gober** (2015) Predicting Hospitalization for Heat-Related Illness at the Census Tract Level: Accuracy of a Generic Heat Vulnerability Index in Phoenix, Arizona (USA). *Environmental Health Perspectives*, 123(6): 606-612.

Seung-Jae Lee, Heejun Chang, and **Patricia Gober** (2015) Space and Time Dynamics of Urban Water Demand in Portland, Oregon and Phoenix, Arizona. *Stochastic Environmental Research and Risk Assessment*, 20(4): 1135-1147.

Patricia Gober, Graham E. Strickert, Douglas A. Clark, Kwok P. Chun, Diana Payton, and Kristin Bruce (2015) Divergent perspectives on water security: Bridging the policy debate. *The Professional Geographer* 67(1): 62-71.

Elmira Hassanzadeh, Amin Elshorbagy, Howard S. Wheeler, and **Patricia Gober** (2014) Managing water in complex systems: An integrated water resources model for Saskatchewan, Canada. *Environmental Modelling & Software*, 58: 12-26.

Patricia Gober and Howard S. Wheeler (2014) Socio-hydrology and the science-policy interface: A case study of the Saskatchewan River Basin. *Hydrology and Earth System Science*, 18: 1423-1422.

Chuang, Wen-Ching, **Patricia Gober**, Winston T. L. Chow, and Jay Golden (2013) Sensitivity to heat: A comparative study of Phoenix, Arizona and Chicago, Illinois (2003-2006). *Urban Climate*, 5: 1-18.

- Kelli Larson, Colin Polsky, **Patricia Gober**, Heejun Chang, and Vivek Shandas (2013) Vulnerability of water systems to the effects of climate change and urbanization: A comparison of Phoenix, Arizona and Portland, Oregon (USA). *Environmental Management* 52(1): 179-195.
- Howard Wheeler and **Patricia Gober** (2013) Water security in the Canadian prairies: science and management challenges. *Philosophical Transactions of the Royal Society A*, 371: 20120409. <http://dx.doi.org/10.1098/rsta.2012.0409>.
- Elizabeth A. Wentz, Angela J. Wills, Won Kyung Kim, Soe W. Myint, **Patricia Gober**, and Robert C. Balling, Jr. (2013) Factors influencing water consumption in multifamily housing in Tempe Arizona. *Professional Geographer*, <http://www.tandfonline.com/doi/abs/10.1080/00330124.2013.805627>.
- Patricia Gober** (2013) Getting outside the water box: The need for new approaches to water planning and policy. *Water Resources Management* 27(4): 955-957.
- Patricia Gober**, Kelli Larson, Ray Quay, Colin Polsky, Heejun Chang, and Vivek Shandas (2013) Why land planners and water managers don't talk to one another and why they should! *Society and Natural Resources* 26(3): 356-364.
- Alan T. Murray, **Patricia Gober**, Luc Anselin, Sergio J. Rey, Paul D. Padegimas, and David Sampson (2012) Spatial optimization models for water supply allocation. *Water Resources Management* 26(8): 2243-2267.
- Patricia Gober**, Ariane Middel, Anthony Brazel, Soe Myint, Heejun Chang, Jiunn-Der Duh, and Lily House-Peters (2012) Tradeoffs between water conservation and temperature amelioration in Phoenix and Portland: Implications for urban sustainability. *Urban Geography* 33(7): 1030-1054.
- A.Middel, A. J. Brazel, **P. Gober**, S. W. Myint, H. Chang, and J.D. Duh (2012) Land cover, climate, and the summer surface energy balance in Phoenix, AZ and Portland OR. *International Journal of Climatology* 32: 2020-2032.
- Winston T. L. Chow, Wen-Ching Chuang, and **Patricia Gober** (2011) Vulnerability to extreme heat in metropolitan Phoenix: Spatial, temporal, and demographic dimensions. *Professional Geographer* 64 (2): 286-302.
- D. A. Sampson, V. Escobar, M. K. Tschudi, T. Lant, and **P. Gober** (2011) A provider-based water planning and management model – Watersim 4.0 – for the Phoenix Metropolitan Area. *Journal of Environmental Management* 92 (10): 2596-2610.

- Soe W. Myint, **Patricia Gober**, Anthony Brazel, Susanne Grossman-Clarke, and Qjhoa Weng (2011) Per-pixel vs. object-based classification of urban land cover extraction using high spatial resolution imagery. *Remote Sensing of Environment* 115(5): 1145-1161.
- Patricia Gober**, Elizabeth A. Wentz, Timothy Lant, Michael K. Tschudi, and Craig Kirkwood (2011) WaterSim: A simulation model for urban water planning in Phoenix, Arizona, USA. *Environment and Planning B* 38(2): 197-215.
- Patricia Gober** and Craig Kirkwood (2010) Vulnerability assessment of climate-induced water shortage in Phoenix. *Proceedings of the National Academy of Sciences* 107(50): 21295-21299.
- Dave D. White, Amber Wutich, Kelli L. Larson, Patricia Gober, Timothy Lant and Clea Senneville (2010) Credibility, salience, and legitimacy of boundary objects: water managers' assessment of a simulation model in an immersive decision theater. *Science and Public Policy* 37(3): 219-232.
- Patricia Gober** (2010) Desert urbanization and the challenges of water sustainability. *Current Opinion in Environmental Sustainability* 2: 144-150.
- Patricia Gober**, Anthony J. Brazel, Ray Quay, Soe Myint, Susanne Grossman-Clarke, Adam Miller, and Steve Rossi (2010) Using watered landscapes to manipulate urban heat island effects: How much water will it take to cool Phoenix? *Journal of the American Planning Association* 76(1): 101-121.
- Patricia Gober**, Craig Kirkwood, Robert C. Balling, Jr., Andrew W. Ellis, and Stephanie Deitrick (2010) Water planning under climatic uncertainty in Phoenix: Why we need a new paradigm. *Annals of the Association of American Geographers* 100(2): 357-372.
- Subhrajit Guhathakurta and **Patricia Gober** (2010) Residential land use, the urban heat island, and water use in Phoenix: A path analysis. *Journal of Planning Education and Research*, 31(1): 40-51.
- John B. Braden, Daniel G. Brown, Jeff Dozier, **Patricia Gober**, Sara M. Hughes, David R. Maidment, Sandra L. Schneider, P. Wesley Schultz, James S. Shortle, Stephen K. Swallow, and Carol M. Werner (2009) Social science in a water observing system. *Water Resources Research* 45 DOI: 10.1029/2009WR008216.
- K. L. Larson, D. D. White, **P. Gober**, S. Harlan, and A. Wutich. (2009) Divergent perspectives on water resource sustainability in a public-policy-science context. *Environmental Science and Policy* 12: 1012-1023.
- Seung-Jae Lee, Elizabeth A. Wentz, and **Patricia Gober** (2009) Space-time forecasting using

soft geostatistics: A case study in forecasting municipal water demand for Phoenix, Arizona. *Stochastic Environmental Research and Risk Assessment* 24: 283-295.

Robert. C. Balling, **Patricia Gober**, and Nancy Jones (2008) Sensitivity of residential water consumption to variations in weather and climate: An intra-urban analysis of Phoenix, Arizona. *Water Resources Research* 44 W10401, DOI:10.1029/2007WR006722.

Andrew W. Ellis, Timothy W. Hawkins, Robert C. Balling Jr., and **Patricia Gober** (2008) Estimating future runoff levels for a semi-arid fluvial system in Central Arizona. *Climate Research* 35: 227-239.

Seung-Jae Lee, Robert C. Balling, Jr., and **Patricia Gober** (2008) Bayesian maximum entropy mapping and the soft data problem in urban climate research. *Annals of the Association of American Geographers* 98(2): 309-322.

Robert C. Balling, Jr. and **Patricia Gober** (2007) Climate variability and residential water use in Phoenix, Arizona. *Journal of Applied Meteorology and Climatology* 46(7): 1130-1137.

Anthony Brazel, **Patricia Gober**, Seung-Jae Lee, Susanne Grossman-Clarke, Joseph Zehnder, Brent Hedquist, and Erin Comparri (2007) Dynamics and determinants of urban heat island change (1990-2004) in Phoenix, Arizona USA. *Climate Research* 33: 171-182.

Patricia Gober (2007) Pasteur's Quadrant and the Education of an Applied Geographer. *Research in Geographic Education* 9(1): 36-43.

Subhrajit Guhathakurta and **Patricia Gober** (2007) The impact of urban heat islands on water use: The case of Phoenix Metropolitan Area. *Journal of the American Planning Association* 73(3): 317-329.

Elizabeth A. Wentz and **Patricia Gober** (2007) Determinants of small-area water consumption in the City of Phoenix, Arizona USA. *Water Resources Management* 21(4): 1849-1863.

Patricia Gober and Stanley D. Brunn (2005) Introducing voices in the AAG's second century. *The Professional Geographer* 56(1): 1-3.

Elizabeth K. Larson, Nancy B. Grimm, **Patricia Gober**, and Charles L. Redman (2005) The paradoxical ecology and management of water in the Phoenix, USA metropolitan area. *Journal of Ecohydrology and Hydrobiology* 5(4): 287-296.

Canfei He and **Patricia Gober** (2004) Gendering interprovincial migration in China. *International Migration Review* 37(2): 1220-1251.

Thomas A. Day, **Patricia Gober**, Fusheng S. Xiong, and Elizabeth A. Wentz (2002) Temporal

patterns in near-surface CO₂ concentrations over contrasting vegetation types in the Phoenix metropolitan area. *Agricultural and Forest Meteorology* 2997: 1-17.

Patricia Gober (2002) Urban Geography in the 1970s: The Comparative Metropolitan Analysis Project. *Urban Geography* 23(6): 423-432.

Patricia Gober and Elizabeth K. Burns (2002) The size and shape of Phoenix's urban fringe. *Journal of Planning Education and Research* 21: 394-405.

Kevin E. McHugh, **Patricia Gober**, and Daniel Borough (2002) The Sun City Wars: Chapter 3. *Urban Geography* 23(7): 627-648.

Elizabeth A. Wentz, **Patricia Gober**, Robert C. Balling, and Thomas A. Day (2002) Spatial patterns and determinants of carbon dioxide in an urban environment. *Annals of the Association of American Geographers* 92(1): 15-28.

Patricia Gober (2001) Essential geography content for K-12. *2001 Yearbook of the Middle States Council for Social Studies* ISSN 0739-8069: 64-77.

Patricia Gober (2000) Immigration and North American cities. *Urban Geography* 21(1): 83-90.

Patricia Gober (2000) In search of synthesis. *Annals of the Association of American Geographers* 90(1): 1-11.

Elizabeth K. Burns and **Patricia Gober**. 1998. Job linkages in inner-city Phoenix. *Urban Geography* 19(1): 12-23.

Patricia Gober and Elizabeth K. Burns (1998) Why job linkages won't work in Phoenix. *Applied Geographical Studies* 2(1): 1-16.

Patricia Gober (1997) The role of access in explaining state abortion rates. *Social Science and Medicine* 43: 1003-1016.

Patricia Gober, Charles F. Jeffery, and Kevin E. McHugh (1996) Using moving-industry data to depict U.S. migration patterns. *Growth and Change* 27: 231-251.

Patricia Gober, Amy Glasmeier, James Goodman, David Plane, Howard Stafford, Joseph Wood (1995) Employment conditions in geography, Part 1: Enrollment and degree trends. *The Professional Geographer* 47 (3): 317-28.

Patricia Gober, Amy Glasmeier, James Goodman, David Plane, Howard Stafford, Joseph Wood (1995) Employment conditions in geography, Part 2: Current demand conditions. *The Professional Geographer* 47 (3): 329-336.

- Patricia Gober**, Amy Glasmeier, James Goodman, David Plane, Howard Stafford, Joseph Wood (1995) Employment conditions in geography, Part 3: Future demand conditions. *The Professional Geographer* 47 (3): 336-346.
- Patricia Gober** (1994) Why abortion rates vary: A geographical examination of the supply and demand for abortion services in the United States in 1988. *Annals of the Association of American Geographers* 84 (2): 230-50.
- Patricia Gober**, Kevin E. McHugh, and Denis Leclerc (1993) Job-rich but housing-poor: The dilemma of a western amenity town. *The Professional Geographer* 45: 12-20.
- Patricia Gober** (1992) Urban housing careers. *Progress in Human Geography* 16: 171-89.
- Kevin E. McHugh and **Patricia Gober** (1992) Short-term dynamics of the U. S. interstate migration system, 1980-88. *Growth and Change* 23: 428-45.
- Patricia Gober**, Kevin E. McHugh, and Neil Reid (1991) Phoenix in flux: Household instability, residential mobility, and neighborhood change. *Annals of the Association of American Geographers* 81: 80-88.
- Kevin E. McHugh, **Patricia Gober**, and Neil Reid (1990) Structural forces, residential satisfaction, and mobility expectations. *Demography* 26: 81-95.
- Patricia Gober** (1989) The urbanization of suburbs. *Urban Geography* 10: 311-15.
- Patricia Gober** (1988) Sunbelt urbanisation: A regional development perspective. *Australian Journal of Regional Studies* 1: 61-80.
- John Pickus and **Patricia Gober** (1988) Urban villages and activity patterns in Phoenix. *Urban Geography* 9: 85-97.
- Patricia Gober** (1986) How and why Phoenix households changed: 1970-1980. *Annals of the Association of American Geographers* 76: 536-549.
- Patricia Gober** (1986) Homogeneity versus heterogeneity in household structure: The recent experience of 20 U. S. cities. *Environment and Planning A* 18: 715-27.
- Patricia Gober** (1985) Large-scale residential segregation of the elderly: The case of Sun City. *Journal of Geography* 84: 189-98.
- Patricia Gober** (1984) Regional convergence versus uneven development: Implications for Sunbelt SMSAs. *Urban Geography* 5: 130-145.

Patricia Gober and Robert C. Mings (1984) A geography of nonpermanent residence in the United States. *The Professional Geographer* 36: 164-173.

Patricia Gober and Leo E. Zonn (1983) Kin and elderly amenity migration. *The Gerontologist* 23: 288-94.

Michelle Behr and **Patricia Gober** (1982) When a residence is not a home: Examining residence-based migration definitions. *The Professional Geographer* 34: 178-84.

Patricia Gober and Michelle Behr (1982) Central cities and suburbs as distinct place types: Myth or fact. *Economic Geography* 58: 371-85.

Patricia Gober (1981) Falling household size and its effect on metropolitan population growth and density. *Annals of Regional Science* 14: 1-10.

Patricia Gober (1980) The relationship of location, amenities and economic change to net migration in nonmetropolitan counties of the U. S. *Regional Science Perspectives* 10: 10-21.

Patricia Gober (1980) Shrinking household size and its effect on population density patterns: A case study of Phoenix, Arizona. *The Professional Geographer* 32: 55-62.

Patricia Gober and Rena Gordon (1980) Intra-urban physician location: A case study of Phoenix. *Social Science and Medicine* 14: 1-11.

Patricia Gober-Meyers (1978) Inter-state migration and economic growth: A simultaneous equations approach. *Environment and Planning A* 10: 1241-52.

Patricia Gober-Meyers (1978) Migration analysis: The role of geographic scale. *Annals of Regional Science* 12: 52-61.

Patricia Gober-Meyers (1978) A review of literature dealing with employment motivated migration and economic growth in post-industrial market economies. *Progress in Human Geography* 2: 207-29.

BOOK CHAPTERS, PROCEEDINGS AND OTHER PIECES:

Patricia Gober and Ray Quay (2015) Harnessing urban water demand: The challenges ahead. In *Handbook on Urbanization and Global Environmental Change*, eds., K.C. Seto and W. Solecki. Taylor & Francis, forthcoming.

Howard S. Wheeler and **Patricia Gober** (2014) Meeting the Science Challenges of Water Security in the Saskatchewan River Basin: a Regional Hydroclimate Project from Western

Canada. In Proceedings of the Dooge-Nash International Symposium, Dublin, April 23-24, 2014.

Patricia Gober, Dave D. White, Ray Quay, David A. Sampson, and Craig W. Kirkwood (2014) Socio-hydrology modelling for an uncertain future, with examples from the USA and Canada. In *Integrated Environmental Modelling to Solve Real World Problems: Methods, Vision and Challenges*, Geological Society, London, Special Publications, 408, eds. A.T. Riddick, H. Kessler and J.R.A. Giles. London: Geological Society, doi.org/10.1144/SP408.2.

Patricia Gober (2014) Decision making under uncertainty: A new paradigm for water resources planning and management. In *Handbook of Water Engineering, Vol. 15*, eds., Lawrence K Wang and Chi Ted Yang. Humana Press, Inc. and Springer Science, pp. 422-436.

Reza Ghanbarpour, Howard S. Wheeler, and **Patricia Gober**. (2012) Sensitivity analysis of environmental flow rule curves for water allocation optimization: Case study, the Upper Oldman River Basin, Alberta, Canada, IMESS International Conference on Environmental Modeling and Software, Leipzig, in press.

Ray Quay and **Patricia Gober** (2011) A cautionary note for Sun Corridor water planners. In *Watering the Sun Corridor: Managing Choices in Arizona's Megapolitan Area*, Morrison Institute for Public Policy, Arizona State University.

Jonathan Fink and **Patricia Gober** (2009) Using stakeholder engagement and visualization to aid decision-making about water use in the Middle East. In *Jordan and Dead Sea Basin: Cooperation Amid Conflict*, eds. C. Lipchin, D. Sandler, and E. Cushman. Springer Scientific Press, 257-276.

Patricia Gober (2009) Desert city visions: Decision making under uncertainty. *Stockholm Water Front* 2009(2):16-17.

Patricia Gober (2008) Climate adaptation and water resource management in Phoenix. *Water Resources Impact* 10(4): 10-13.

Patricia Gober (2007) *Land Use: Challenges and Choices for the 21st Century*. 91st Arizona Town Hall Report. Phoenix: Arizona Town Hall.

Patricia Gober (2007) Water, climate and the future of Phoenix. *Geographische Rundschau* 3(4): 20-24.

Anthony J. Brazel and **Patricia Gober** (2007) Urban-scale climate change effects on water use. *Southwest Hydrology* 6(5), 10-11.

Patricia Gober (2006) Census. In *Encyclopedia of Human Geography*, ed. Barney Warf.

Thousand Oaks: Sage, 30-31.

Patricia Gober (2006) Census Tract. In *Encyclopedia of Human Geography*, ed. Barney Warf. Thousand Oaks: Sage, 31-32.

Patricia Gober (2006) Model. In *Encyclopedia of Human Geography*, ed. Barney Warf. Thousand Oaks: Sage, 305-307.

Patricia Gober (2006) Geography of Population. In *Encyclopedia of Human Geography*, ed. Barney Warf. Thousand Oaks: Sage, 368-370.

Patricia Gober (2006) Phoenix: The New American City. In *New American City: Artists Look Forward*, eds. Heather Sealy Lineberry and John Spiak. Tempe: Arizona State University Art Museum, 11-21.

Patricia Gober (2005) Comparative Metropolitan Analysis Project. In *Urban Geography in America, 1950-2000*, eds. Brian J. L. Berry and James O. Wheeler. New York: Routledge, 2005, 157-170.

Patricia Gober and James Tyner (2004) Population geography. In *Geography in America at the Dawn of the 21st Century*, eds. Gary L. Gaile and Cort J. Willmott. New York: Oxford University Press, 185-99.

William Graf, **Patricia Gober** and Anthony J. Brazel (2001) In memoriam: Melvin G. Marcus, 1929-1997. *Annals of the Association of American Geographers* 91(4): 724-733.

Patricia Gober and Mark W. Rosenberg (2001) Looking back, looking around, looking forward: A woman's right to choose. In *Geographies of Women's Health*, eds. Isabel Dyck, Nancy Lewis, and Sara McLafferty. New York: Rutledge, 88-104.

Patricia Gober (2000) Settlement dynamics and internal migration of the U.S. foreign-born population. In *Migration and Restructuring in the United States*, eds. Kavita Pandit and Suzanne Davies Withers. Boulder: Rowman & Littlefield, 231-249.

Mary Jo Waits, Rebecca L. Gau, Mark L. Murro, Tina Valdecanas, Tom R. Rex, Leonard Bower, Elizabeth K. Burns, Lisa DeLorenzo, William Fulton, **Patricia Gober**, John Hall, Alicia Harrison, Alicia, Kent Hill, Glen Krutz, and Scott Scott (2000) *Hits or Misses: Fast Growth in Metropolitan Phoenix*. Tempe: Morrison Institute for Public Policy.

Patricia Gober (1998) The demographics of urban growth. In *Arizona Policy Choices*, eds. John Stuart Hall, N. Joseph Cayer, and Nancy Welch. Tempe: Morrison Institute for Public Policy, Arizona State University, 30-36.

- Patricia Gober**, Elizabeth K. Burns, Kimberly Knowles-Yanez, and Jeffrey James (1998) Rural to urban land conversion in metropolitan Phoenix. In *Arizona Policy Choices*, eds. John Stuart Hall, N. Joseph Cayer, and Nancy Welch. Tempe: Morrison Institute for Public Policy, Arizona State University, 40-45.
- Patricia Gober** (1997) *Megalopolis: The future is Now*. In *Ten Geographic Ideas That Have Changed the World*, ed. Susan Hanson. New Brunswick, NJ: Rutgers University Press, 182-202.
- Patricia Gober**, Amy Glasmeier, James Goodman, David Plane, Howard Stafford, Joseph Wood (1997) Employment trends in geography: A report to NRC's Rediscovering *Geography* Committee. In *Rediscovering Geography: New Relevance for Science and Society*. Washington, DC: National Academy Press, 187-217.
- Patricia Gober** (1995) Reply to Russell S. Kirby: Methodological issues in abortion research. *Annals of the Association of American Geographers* 85: 585-588.
- Patricia Gober** (1993) Americans on the Move. *Population Bulletin* 48 (3): 1-40.
- Patricia Gober** and Kevin E. McHugh (1992) Commuting patterns, housing affordability, and residential satisfaction in Sedona's laborshed. In *Sustaining Sedona's Economy: Planning Toward the Year 2000*, eds. John Stuart Hall and K. David Pijawka. Tempe, AZ: ASU School of Public Affairs, 26-44.
- William L. Graf and **Patricia Gober** (1992) Systems, movements, patterns, and cycles. In *Geography's Inner World: Pervasive Themes in Contemporary American Geography*, eds. Ronald F. Abler, Melvin G. Marcus, and Judy M. Olson. New Brunswick, NJ: Rutgers University Press, 234-254.
- Patricia Gober** (1990) The urban demographic landscape: A geographic perspective. In *Housing Demography*, ed. Dowell Myers. Madison: University of Wisconsin Press, 232-248.
- Stephen E. White, Lawrence A. Brown, William A. V. Clark, **Patricia Gober**, Richard Jones, Kevin E. McHugh, and Richard L. Morrill (1989) Population geography. In *Geography in America*, eds. Gary L. Gaile and Cort J. Willmott. Columbus: Merrill Publishing Company, 258-289.
- Patricia Gober** and Kevin E. McHugh (1988) The urban growth process. In *Urban Growth in Arizona: A Policy Analysis*, ed. Rob Melnick. Tempe, Arizona: Morrison Institute for Public Policy, Arizona State University, 1-42.
- Patricia Gober** (1983) Resource development and the evolution of boomtowns in the American West. In *American-German International Seminar, Geography and Regional Policy*:

Resource Management by Complex Political Systems, eds. John S. Adams, Werner Fricke and Wolfgang Herden. Heidelberg, FRG: Geographical Institute, University of Heidelberg, 127-145.

Patricia Gober (1981) Federal policy, migration and the changing geography of the U.S. population. *Texas Business Review* 55: 262-267.

Patricia Gober, Michelle Behr, and Jill Engmark (1981) *Travel Patterns of Friendship Village Residents: A Comparison of Widows, Elderly Married Women and Men*. SIROW Working Papers Series No. 5. Tucson: University of Arizona, 1-16.

Patricia Gober (1981) Federal policy, migration and the changing geography of the U.S. population. In *Federalism and Regional Development*, ed. George Hoffman. Austin: University of Texas Press, 293-326.

Patricia Gober (1980) *An Annotated Bibliography of Population Growth and Migration to Nonmetropolitan Areas of the U.S.* Monticello, Illinois: Vance Bibliographies, 1-30.

Patricia Gober-Meyers (1975) Selective interstate migration patterns in the U.S.: 1965-1970. *International Geography* 7: 36-39.

Patricia Gober-Meyers (1975) Interstate migration and per capita income growth, 1965-1970. *Proceedings of the Association of American Geographers* 7: 15-55.

FUNDED RESEARCH AND CONSULTING:

Investigator. Global Institute for Water Security. A collaborative approach to defining water security in the Saskatchewan River Basin. \$70,800. (2011-2013) (with Douglas Clark, Lalita Bharadwaj, Bran Noble, Robert Patrick, and Howard Wheeler).

Principal Investigator/Program Director. Decision Center for a Desert City II: Urban climate adaptation. National Science Foundation, Award ID SES-0951366, \$6.5 million, 2010-2015 (with Charles Redman, Dave White, Craig Kirkwood, and Margaret Nelson).

Co-Principal Investigator. Urbanization and Global Environmental Change (UGEC) International Project Office. National Science Foundation, Award ID 0937777, \$585,000, 2009-2012 (with Charles Redman, Alan Artibise, Anthony Rock, and Sander van der Leeuw).

Co-Principal Investigator. Integrated water and land planning as a climate adaptation strategy: Comparisons of Portland, Oregon and Phoenix, Arizona. National Oceanic and Atmospheric Administration, Sector Applications Research Program, \$111,111, 2009-2011 (with Heejun

Chang, Colin Polsky, Vivek Shandas, Kelli Larson, and G. Hossein Parandvash).

Co-Principal Investigator. Implications of simultaneous extreme heat and drought events for electricity generation and consumption and water shortage in the desert Southwest. The Bipartisan Policy Center's National Commission on Energy Policy, \$35,183, 2009-2010 (with David J. Sailor and David A. Sampson).

Co-Principal Investigator. DT/DCDC/AWI Collaborative Climate Workshops. Arizona Water Institute, Award AWI-09-01a, \$39,333, 2009-2010 (with George Basile).

Co-Principal Investigator/Program Director. Decision Center for a Desert City Supplement. National Science Foundation, Award ID 0345945. \$500,000, 2008-2010 (with Charles Redman).

Principal Investigator/Program Director. Decision Center for a Desert City Supplement. National Science Foundation, Award ID 0345945. \$75,000, 2007-2009 (with Charles Redman).

Principal Investigator/Program Director. Decision Center for a Desert City: The science and policy of climatic uncertainty. National Science Foundation, Award ID: 0345945. \$6.9 million, 2004-2009 (with Charles Redman, Bob Bolin, Thomas Taylor, and Grady Gammage).

Co-Principal Investigator. Dynamics of an urban carbon dioxide dome. National Science Foundation, \$498,367, 1999-2001 (with Robert Balling, Elizabeth Wentz, and Craig Idso).

Co-Investigator. Central Arizona - Phoenix LTER (Long-Term Ecological Research). National Science Foundation DEB-9714833, \$5.8 million, 1997-2004) with Charles Redman, Nancy Grimm, and others).

Co-Principal Investigator. A hands-on approach to introductory human geography. National Science Foundation DUE-9752794, \$82,000. 1998-2000. (with Michael Kuby).

Co-Investigator. Spatial mismatch. U. S. Department of Housing and Urban Development - COPC (Community Outreach and Planning Center) COPC-AZ-94-0004, \$34,700, 1994-96 (with Rob Melnick and Morrison Institute staff).

Co-investigator. Salt-Gila management policy study. Maricopa County Flood Control District. Phoenix, AZ. 1994-95.

Principal Investigator. An analysis of changes in minority composition in congressional districts as proposed by the Arizona House of Representatives and Senate. Lewis and Roca, Phoenix, AZ, 1992.

Principal Investigator. Household change and residential mobility. Graduate College Research Assistant Program, Arizona State University, \$10,481, 1987-88. (with Kevin E. McHugh)

Principal Investigator. Household reorganization, residential mobility and urban population change. National Science Foundation SES-8215141, \$35,000, 1983-85.

Principal Investigator. Identifying 20 major destinations for elderly migrants in the year 2000. Happy Trails Resorts, Inc., Seattle, WA, 1984.

Principal Investigator. A report on the representativeness of the grand jury selection process in Southern Nevada. Guy Buckley Attorney-at-Law, 1983.

Principal Investigator. Behavioral aspects of migration to Sun City, Arizona. University Research Fund, Arizona State University, \$15,000, 1979-1980. (with Leo Zonn)

Principal Investigator. Shrinking household size and its effect on urban density patterns. Faculty Grant-in-Aid, Arizona State University, \$3,000, 1978.

Principal Investigator. The impact of interregional migration on nonmetropolitan America. Faculty Grant-in-Aid, Arizona State University, \$3,000, 1976.

PROFESSIONAL ACTIVITIES:

National Climate Assessment (NCA) Adaptation and Hazards Indicators Team, Co-Chair, 2013-Present.

NSF Site Visit Committee at Stanford Engineering Research Center, Re-inventing the Nation's Urban Water Infrastructure (ReNUWIt), 2012, 2013, 2014.

NSF Advisory Panels, Interdisciplinary Behavioral and Social Science Research Competition, 2013; Water Sustainability and Climate Advisory Panel, 2014.

Evelyn Pruitt Dissertation Award Selection Committee, 2014.

Stockholm Water Prize Nomination Committee, 2013-14.

Prince Abulaziz International Prize for Water Review Committee, 2012.

Israeli Council of Higher Education Geography Review Committee, 2012-2013 (Chair).

Geoscience Review Panel for the German Excellence Initiative, German Research Foundation, 2011.

WATERS Network, Social Science Team, 2008-2009.

State of Arizona School Facilities Board (Governor appointed), 2006-2010.

Climate Change Education Roundtable, National Research Council, 2010-present.

Committee on Geographical Sciences, National Research Council, 2004-2007.

Association of American Geographers (AAG) Centennial Campaign Committee, 2002-2004.

AAG Centennial Coordinating Committee, 2000-2004.

College Board Advanced Placement Committee for Human Geography, 2001-2006 (Chair, 2003-2006).

Study Section on Social Science, Nursing, Epidemiology, and Methods (SNEM-3), National Institutes of Health, 1999-2003.

Joint History/Geography Education Project. 1999-2000, Fordham Foundation and the Grosvenor Center for Geographic Education.

Executive Board, COSSA (Consortium of Social Science Associations), 1998-2001.

Board of Trustees, Population Reference Bureau, 1998-2004; Executive Committee, 1999-2004 (Vice Chair, 2001-2004).

Science Advisory Board, National Oceanographic and Atmospheric Administration, 1998-2001 (Chair of Subcommittee on Scientific Synthesis and Analysis, 1998-2001).

President, AAG, 1997-98.

Vice President, AAG, 1996-97.

Review Panel, NSF Graduate Fellowships, 1996-1997.

Review Panel, NSF National Young Investigators, Social and Economic Sciences, 1994.

AAG Nominating Committee, 1994.

Chair, AAG Employment Forecasting Committee, 1994-1996.

Chair, AAG Human Resources Committee, 1992.

Editorial Board, *Urban Geography*, 1992-2005.

Associate Editor, *Annals of the Association of American Geographers*, 1991-1993.

Editorial Board, *Geographical Analysis*, 1990-2000.

Review Panel, NSF Presidential Young Investigators, Social and Economic Sciences, 1990.

Guest Editor, *Urban Geography*, Vol. 10, No. 4, 1989.

Chair, AAG Census Advisory Committee, 1988-1990.

AAG Local Arrangements Committee, 1988.

AAG Finance Committee, 1988-1990.

AAG National Councillor, 1986-1989.

Oversight Panel, NSF-Geography and Regional Science Program, 1985.

Australian-American Symposium, Regional Impacts of Population and Structural Change, USA and Australia, Palm Springs, June, 1984.

Editorial Board, AAG Resource Papers, 1984-1986.

Review Panel, NSF-Geography and Regional Science Program, 1983-1985.

AAG Nominating Committee, 1984.

President, AAG Population Specialty Group, 1984-85.

AAG Nystrom Awards Committee, 1981.

American-German International Seminar, National Science Foundation and the Association of American Geographers, Austin, Texas, 1979.

Slavic Studies Summer Seminar in Yugoslavia, Association of American Geographers and the National Science Foundation, Yugoslavia, 1971.

MEMBERSHIPS:

Association of American Geographers
National Council for Geographic Education

AAAS

HONORS AND AWARDS:

AAG Presidential Achievement Award, April, 2011.

Faculty Research Achievement Award, ASU Alumni Association, May, 2009.

Fellow, American Association for the Advancement of Science, February, 2009.

Prince Sultan Bin Abdulaziz International Price for Water, Water Resources Management and Protection Division (3rd Award, 2006-2008), November, 2008.

President's Medal for Social Imbeddedness, *New American City: Artists Look Forward*, Arizona State University, April, 2007.

Honorary Doctorate of Science, Carthage College, Kenosha, WI, May, 1998.

Outstanding Young Alumni, University of Wisconsin-Whitewater, Whitewater, WI, December, 1977.

THESES AND DISSERTATIONS SUPERVISED:

Kelly Turner. 2013. An Integrated Framework for Sustainable Urbanism: Evaluating Form and Process in Three Intentionally Sustainable Master Planned Communities. PhD dissertation.

Wen-Ching Chung. 2013. Using remote sensed images to assess the effects of land architecture on heat stress in Phoenix and Chicago. PhD dissertation.

Carol Palombo. 2007. Impacts of light-rail transit on station areas in metropolitan Phoenix: 2000-2005. PhD dissertation.

Rachel Russell. 2007. The re-making of Tempe Town Lake. MA thesis.

Peter Howe. 2007. The new water brokers? Knowledge production about the Gila River Indian Community and the 2004 Arizona Water Rights Settlement Act. Barrett Honors College thesis.

Karl Seitz. 2005. Migration and identity in Belize. 2005. MA thesis.

Daniel Eugene Borough. 2002. The impacts of elderly segregation on countywide spending initiatives. PhD dissertation.

Jaime Goodwin-White. 2001. Belonging in space: Citizenship and mobility patterns of five U.S. immigrant groups, 1985-90. MA thesis.

Sarah Brinegar. 2000. Family homelessness and displacement in metropolitan Phoenix. PhD dissertation.

Xiaolun Wang. 1992. Chinese students in the United States: A cultural and geographic perspective. PhD Dissertation.

Ben A. Roberts. 1986. Patterns of migration to, within, and from the United States: A case study of Liberian nationals. PhD Dissertation.

William Lowell-Britt. 1986. An investigation of office based activity in the Camelback Corridor, Phoenix, Arizona. MA Thesis.

Jonathan Pickus. 1986. Human activity patterns and the urban village concept: A study of the North Mountain Village. MA Thesis.

Michelle Behr. 1985. Residential mobility and neighborhood change in a suburban context. PhD Dissertation.

David Prescott. 1984. The relationship between household types and neighborhood characteristics in metropolitan Phoenix. MA Thesis.

Douglas Yoshio Kukino. 1982. A case study of Coronado neighborhood gentrifiers, Phoenix, Arizona: 1982. MA Thesis,

Rena Gordon. 1978. The distribution of private practice physicians in the Phoenix metropolitan area, 1960-1970. MA Thesis.

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