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ACADEMIC POSITIONS

- 8/09-Present Professor and Chair, Department of Geography, East Carolina University
- 6/08 – 7/09 Chair, Department of Geography, Binghamton University
- 9/95 – 7/09 Professor of Geography and Environmental Studies, Binghamton University
- 9/88 – 9/02 Director, Environmental Studies Program
- 9/87 - 8/95 Associate Professor of Geography and Environmental Studies,
Binghamton University
- 9/86 - 9/87 Associate Chair, Department of Geological Sciences and Environmental
Studies, Binghamton University
- 9/80 - 8/87 Assistant Professor of Geography and Environmental Studies,
Binghamton University
- 9/79-8/80 Lecturer in Geography and Environmental Studies, Binghamton University

OTHER PROFESSIONAL EXPERIENCE

- 7/06 WAS*IS (Weather and Society-Integrated Studies) Fellow – National Center
for Atmospheric Research, Boulder, CO
- 7/03 – 6/08 Faculty Master, Dickinson Community, Binghamton University
- 1/03 – 7/09 Associate Director, Center for Integrated Watershed Studies, Binghamton
University
- 1/02 Lecturer in Executive Degree Program in Environmental Management,
Escuela Politecnica del Ejercita, Ecuador. January, 2002.
- 9/94 - 12/94 Fulbright Research Scholar, Centre for Environmental and Resource
Studies, University of Waikato, Hamilton, New Zealand
- 7/92 & 7/93 Faculty Member, International Seminar on Environmental Assessment and
Management, Centre for Environmental Management and Planning,
University of Aberdeen, Scotland
- 1/91 - 12/91 Visiting Research Fellow, Centre for Environmental and Resource Studies,
University of Waikato, Hamilton, New Zealand
- 1/88 - 12/92 Coordinator, New York State Geographic Alliance
- 3/75-1/77 Environmental Planner, West Michigan Shoreline Regional Development
Agency, Muskegon, Michigan

EDUCATION

- Ph.D. Geography, University of Colorado, Boulder. December, 1980.
Dissertation: *Location and the Diffusion of Information: An Analysis of the Adoption of Hazard Mitigation Measures in Three Communities*
- M.S. Geography/Environmental Science, Oklahoma State University. May, 1975
Thesis: *Relocation as an Adjustment to the Flood Hazard*
- B.A. Geography, Mary Washington College. May, 1973

PUBLICATIONS

Books

- Committee on FEMA Flood Maps. 2009. *Mapping the Zone: Improving Flood Map Accuracy*. Washington, D.C.: The National Academies Press. (Committee members: Maidment, D., Brookshire, D., Brown, J.W., Dorman, J., Galloway, G., Imam, B., Lathrop, W., Maune, D., Montz, B., Rogers, S., Schuckman, K., Sheng, YP., Valdes, J.).
- Committee to Assess the National Weather Service Advanced Hydrologic Prediction System. 2006. *Toward a New Advanced Hydrologic Prediction System (AHPS)*. Washington, DC: The National Academies Press. (Committee members: Sorooshian, S., Anthes, R., Entekhabi, D., Foufoula-Georgiou, E., Hooke, W., Leavesley, G., Moglen, G., Montz, B., Plascencia, D., Xu, L.).
- Tobin, G.A. and B.E. Montz. 1997. *Natural Hazards: Explanation and Integration*. New York: Guilford Publishing. (2nd edition being prepared)
- Tobin, G.A. and B.E. Montz. 1994. *The Great Midwestern Floods of 1993*. Fort Worth: Saunders College Publishing. 44 pp.

Chapters in Books/Encyclopedia

- Montz, B.E. The Promise and Perils of Interdisciplinary Work. *WAS*IS Compendium*. Under review.
- Montz, B.E. and G.A. Tobin. Floods. In B. Warf (Ed.) *Encyclopedia of Geography*. Sage Publications: Thousand Oaks, CA. Forthcoming.
- Tobin, G.A. and B.E. Montz. Environmental Hazards. In R. Kitchin and N. Thrift (Eds.) *International Encyclopedia of Human Geography*. Elsevier: Oxford. Forthcoming.
- Tobin, G.A. and B.E. Montz. 2009. Risk and Uncertainty: Geophysical Processes in Natural Hazards. N. Clifford, S. Holloway, S.P. Rice and G. Valentine (Ed.) *Key Concepts in Geography*. Sage Publications: London. pp. 405-423.
- Montz, B.E. 2008. Client-driven education? Issues for an applied geography curriculum. In Bailly, A., L.J. Gibson and K.H. Haynes. *Applied Geography for the Entrepreneurial University*. Economica Editions: Paris. pp. 41-49.

- Tobin, G.A. and B.E. Montz. 2004. Natural hazards and technology: vulnerability, risk and community response in hazardous environments. In Brunn, S.D., S.L. Cutter, and J.W. Harrington, Jr. (Eds.) *Technoearth: Geography and Technology*. Dordrecht, Netherlands: Kluwer Academic Publishers. pp. 547-570.
- Montz, B.E., J. Cross, and S. Cutter. 2004. Hazards. In Wilmott, C. (Ed.) *Geography in America at The Dawn of the 21st Century*. Oxford: Oxford University Press. pp. 479-491.
- Montz, B.E. 2001. Assessing the effects and effectiveness of flash flood mitigation strategies. In Gruntfest, E. and J. Handmer (Eds.) *Coping with Flash Floods*. Dordrecht, Netherlands: Kluwer Academic Publishers. pp. 123-134.
- Montz, B.,E. and T.E. Evans. 2001. GIS and social vulnerability analysis. In Gruntfest, E. and J. Handmer (Eds.) *Coping with Flash Floods*. Dordrecht, Netherlands: Kluwer Academic Publishers. pp. 37-48.
- Montz, B.E. 2000. The generation of flood hazards and disasters by urban development on floodplains. In Parker, D.J. (Ed.) *Floods*. London: Routledge. pp. 116-127.
- Montz, B.E. and G.A. Tobin. 1999. Ten years after: a longitudinal study of the effects of flooding on residential property values. In Bell, R. (Ed.) *Detrimental Conditions*. Chicago: The Appraisal Institute.

Refereed Articles

- Carson, S.E. and B.E. Montz. Planning for climate change: an analysis of vulnerability in Suffolk County, New York. *Environmental Hazards*. Forthcoming.
- Montz, B.E. 2009. Emerging issues and challenges: natural hazards. *Journal of Contemporary Water Research and Education* 141: 1-4.
- Montz, B.E. and G.A. Tobin. 2008. Livin' large with levees: lessons learned and lost. *Natural Hazards Review* 9(3): 150-157.
- Montz, B.E. and G.A. Tobin. 2008. From false sense of security to residual risk: communicating the need for new floodplain development models. *Geograficky Casopis (Geographical Journal) of the Slovak Academy of Sciences* 60 (1): 3-14.
- Knuepfer, P.L.K. and B.E. Montz. 2008. Flooding and watershed management. *Journal of Contemporary Water Research and Education* 138: 45-51.
- Montz, B.E. 2007. Experience, serendipity, and direction for an applied geographer. *Research in Geographic Education* 9(1): 79-85.
- Tobin, G.A., H.M. Bell, L.M. Whiteford, and B.E. Montz. 2006. Vulnerability of displaced persons: relocating park residents in the wake of Hurricane Charley. *International Journal of Mass Emergencies and Disasters* 24(1): 77-109.
- Montz, B.E., L. Halupke, and V. Blackman. 2005. Hurricane Charley and changing vulnerability: an analysis of spatial and temporal changes. *The Florida Geographer* 36:6-22.

- Chakraborty, J., G.A. Tobin, and B.E. Montz. 2005. Population evacuation: assessing spatial variability in geo-physical risk and social vulnerability to natural hazards. *Natural Hazards Review* 6: 23-33.
- Montz, B.E. and E. Grunfest. 2002. Flash flood mitigation: recommendations for research and applications. *Environmental Hazards* 4:15-22.
- Tobin, G.A., R. Brinkmann, and B.E. Montz. 2000. Flooding and the distribution of metals in floodplain sediment in St. Maries, Idaho. *Environmental Geochemistry and Health* 22:2 19-32.
- Brinkmann, R., B.E. Montz, and G.A. Tobin. 2000. Lead pollution in flooded and non flooded areas in St. Maries, Idaho. *Journal of Environmental Science and Health, Part A: Toxic Hazardous Substances and Environmental Engineering* 35(3): 407-417.
- Montz, B.E. and G.A. Tobin. 1998. Flooding: a strategic assessment of environmental impacts. *Applied Geographic Studies* 2(1): 43-57.
- Tobin, G.A. and B.E. Montz. 1997. The cascade of hazards from flooding to environmental contamination: a case study of St. Maries, Idaho. *Small Town* 28(2): 4-9.
- Montz, B.E. and J.E. Dixon. 1995. From concept to practice: problems of implementing cumulative impact assessment in New Zealand. *Environmental Management* 19(3): 445-456.
- Tobin, G.A. and B.E. Montz. 1994. The flood hazard and dynamics of the urban residential land market. *Water Resources Bulletin* 30(4):673-685.
- Montz, B.E. 1993. Hazard area disclosure in New Zealand: the impacts on residential property values in two communities. *Applied Geography* 13(3):225-242.
- Montz, B.E. and J.E. Dixon. 1993. From law to practice: EIA in New Zealand. *Environmental Impact Assessment Review* 13(2): 89-108.
- Montz, B.E. 1992. The effects of flooding on residential property values in three New Zealand communities. *Disasters: The International Journal of Disasters Study and Practice* 16(4):283-290.
- Tobin, G.A. and B.E. Montz. 1990. Response of the real estate market to frequent flooding: the case of Des Plaines, Illinois. *Bulletin of the Illinois Geographical Society* XXXII(2):11-21.
- Montz, B.E. and G.A. Tobin. 1990. The impacts of tropical storm Agnes on residential property values in Wilkes-Barre, Pennsylvania. *The Pennsylvania Geographer* XXVII(2):55-67.
- Montz, B.E., G.A. Tobin, and O.E. Medford. 1989. The urban floodplain as a focus for geographical education. *The Journal of Geography* 88(6):214-219.
- Montz, B.E. and G.A. Tobin. 1988. The spatial and temporal variability of residential real estate values in response to flooding. *Disasters: The International Journal of Disasters Study and Practice* 12(4):167-177.

- Tobin, G.A. and B.E. Montz. 1988. Catastrophic flooding and the response of the real estate market. *The Social Science Journal* 25(2):167-177.
- Montz, B.E. 1988. Geography in the social studies curriculum. *Journal of the School Administrators Association of New York State* 19(3): 19-21.
- Montz, B.E. and G.A. Tobin. 1987. Real estate agents and post flood recovery: implications for floodplain management. In *Realistic Approaches to Better Floodplain Management*. Association of State Floodplain Managers and Natural Hazards Research and Applications Information Center Special Publication 18. Boulder, CO: Univ. of Colorado. pp. 111-119.
- Montz, B.E. 1987. Floodplain delineation and housing submarkets: two case studies. *The Professional Geographer* 39(1):59-61.
- Montz, B.E. and E.C. Gruntfest. 1986. Changes in American floodplain occupancy since 1958: the experiences of nine cities. *Applied Geography* 6:325-338.
- Frazier, J.W., M.E. Harvey, and B.E. Montz. 1986. Flood policy preferences: a systemic analysis of some determinants. *The Environmental Professional* 8:70-87.
- Montz, B.E. 1986. Home-use pesticides: the environmental impact of disposal alternatives. *Toxic Substances Reports* 6:3-15.
- Barnes-Svarney, P. and B.E. Montz. 1985. An ice jam prediction model as a tool in floodplain management. *Water Resources Research* 21(2):256-260.
- Montz, B.E. 1983. The effects and effectiveness of flood insurance requirements: agent perspectives. *The Environmental Professional* 5(1):116-123.
- Tobin, G.A. and B.E. Montz. 1983. Introduction to water resources management. *The Environmental Professional* 5(1):1-5.
- Frazier, J.E., M.E. Harvey, and B.E. Montz. 1983. A causal analysis of urban flood hazard behaviors. *The Environmental Professional* 5(1):55-71.
- Montz, B.E. 1982. The effect of location on the adoption of hazard mitigation measures. *The Professional Geographer* 4:416-423.
- Montz, B.E. 1981. Natural resource inventories in environmental education. *The Journal of Geography* 80(3):97-100.
- Morisawa, M. and B.E. Montz. 1981. Some environmental problems of the Binghamton area. In Enos, P. (Ed.) *Guidebook for Field Trips in South-Central New York*. New York Geological Association 53rd Annual Meeting.
- Hill, A.D., B.E. Montz, D. Cole, and C. Crum. 1978. Dangerfield: a role-playing simulation of urban land use conflict. *Great Plains-Rocky Mountain Geographical Journal* 7.

Refereed Proceedings

- Montz, B.E. and G.A. Tobin. 2007. From false sense of security to residual risk: communicating the need for new floodplain development models. *Floodplain Management 2050*. Background reading for the 2007 Gilbert F. White National Flood Policy Forum. Association of State Floodplain Managers. http://www.floods.org/Foundation/Files/2007_GFW_Forum_Background_Reading.pdf
- Montz, B.E. and G.A. Tobin. 2007. Three decades of applied geography: themes from the Applied Geography Conferences since 1978. *Papers of the Applied Geography Conferences 30*: 1-10.
- Montz, G.I. and Montz, B.E. 2007. Spatial variations in loss potential and vulnerability: lessons from Hurricane Charley. *Papers of the Applied Geography Conferences 30*: 314-323.
- Montz, B.E. and G.A. Tobin. 2005. Socio-economic patterns of vulnerability: senior living developments and Hurricane Charley. *Papers of the Applied Geography Conferences 28*: 215-223.
- Montz, B.E. and G.A. Tobin. 2003. Vulnerability of the Tampa region: evaluating physical and socio-economic contributions. *Papers of Applied Geography Conferences 26*: 380-388.
- Montz, B.E. 2001. The politics of pesticides: geographic patterns of commercial applications in New York. *Papers and Proceedings of the Applied Geography Conferences 24*: 218-225.
- Montz, B.E. 2000. The hazardousness of place: risk from multiple natural hazards. *Papers and Proceedings of the Applied Geography Conferences 23*: 331-341.
- Montz, B.E. and G.A. Tobin. 2000. The effectiveness of the National Flood Insurance Program in two communities: Syracuse, NY and Tampa, FL. In *Planning Ahead, Reducing Flood Losses in the 21st Century*. Proceedings of the 23rd Annual Conference of the Association of State Floodplain Managers. pp. 229-234.
- Tobin, G.A., R. Brinkmann, and B.E. Montz. 1999. The impacts of flooding and land use on the distribution of lead in floodplain sediments. *Papers and Proceedings of the Applied Geography Conferences 22*: 115-122.
- Montz, B.E. and G.A. Tobin. 1998. Hazardousness of location: critical facilities in the Tampa Bay Region. *Papers and Proceedings of the Applied Geography Conferences 21*: 315-322.
- Tobin, G.A. and B.E. Montz. 1997. The impacts of a second catastrophic flood on property values in Linda and Olivehurst California. *Papers and Proceedings of the Applied Geography Conferences 20*: 83-90.
- Montz, B.E. and G.A. Tobin. 1996. The environmental impacts of flooding: A case study of St. Maries, Idaho. *Papers and Proceedings of the Applied Geography Conferences 19*: 5-24.
- Dixon, J.E. and B.E. Montz. 1996. Strategic environmental assessment in New Zealand: lessons from natural hazards management. In Partidario, M. (Ed.) *Improving Environmental Assessment Effectiveness: Research Practice and Training*, Vol I, 79-84.

- Montz, B.E. 1993. Environmental impact assessment of a proposed jail: the need for a planning approach. In Clark, B. (Ed.) *Proceedings, 14th International Seminar on Environmental Assessment and Management*. Aberdeen, Scotland: Centre for Environmental Management and Planning, University of Aberdeen. 14 pp.
- Montz, B.E. 1993. Uncertainty and probability in decision-making: examples, opportunities, and problems. In Boyce, W., N. Ericksen, and N. Hingley (Eds.) *Proceedings of Regional Resource Futures Conference*. Hamilton, N.Z: University of Waikato, pp. 116-125.
- Montz, B.E. 1992. Case study of a resource recovery facility: methodologies in EIA. In Clark, B. (Ed.) *Proceedings, 13th International Seminar on Environmental Assessment and Management*. Aberdeen, Scotland: Centre for Environmental Management and Planning, University of Aberdeen. 10 pp.
- Tobin, G.A. and B.E. Montz. 1990. Policy implications of spatial and temporal variations in flood impacts across the floodplain. *Proceedings, Floodplain Management Conference*. Toronto: Environment Canada, 10 pp.
- Montz, B.E. 1988. A relationship between curricular change and teacher training. *Proceedings of the Symposium on Geographic Education of the International Geographical Union 2*: 420-429.
- Tobin, G.A. and B.E. Montz. 1987. The recovery of residential real estate values in Linda and Olivehurst, California. *Papers and Proceedings of Applied Geography Conferences* 10:252-258.
- Montz, B.E. 1986. Applications of computer mapping to local evacuation planning. *Technical Papers, 52nd Annual Meeting, American Society of Photogrammetry*. 8 pp.
- Montz, B.E. 1985. Applications of computer mapping to environmental impact assessment. *Papers and Proceedings of the Applied Geography Conferences* 8:149-158.
- Montz, B.E. 1985. User perceptions and applications of floodplain maps: impacts on local land use policy. *Technical Papers, 51st Meeting, American Society of Photogrammetry* 2:618-626.
- Montz, B.E. 1985. Applications Comments on land use policy. *Papers and Proceedings of the Applied Geography Conferences* 5:145-148.
- Montz, B.E. 1981. The floodplain as a housing submarket: a preliminary analysis. *Papers and Proceedings of Applied Geography Conferences* 4:321-326.
- Montz, B.E. and C.E. Stallman. 1981. Urban occupancy of the floodplain: a case study of Binghamton, New York. *Proceedings, Middle States Division of the Association of American Geographers* 15:59-64.

Working Papers and Reports

- Kiser, R., D. Martin, A. Miller, M. Prowiak, K. Wilmer, B. Montz, and D. MacEwan. 2008. Vulnerability and Response to Flooding: A Case Study of Record Flooding in Broome County, New York. *Research in Contemporary and Applied Geography: A Discussion Series XXXII*: Article 1.
- Montz, B.E., J. Donato, V. Ehlen, and J. Knight. 2006. Conceptions of Place: An Analysis of the Alaska National Wildlife Refuge Debate. *Research in Contemporary and Applied Geography: A Discussion Series XXX*: Article 2.
- Montz, B.E. and G.A. Tobin. 2005. *Snowbirds and Senior Living Developments: An Analysis of Vulnerability Associated with Hurricane Charley*. Quick Response Research Report 177. Boulder, CO: Natural Hazards Research and Applications Information Center.
- Tobin, G.A., H.M. Bell, B.E. Montz, E.P. Hughey, L.M. Whiteford, M.P. Everist, C. Kelsey, and Ray Miller, with V. Blackman, A. Freidus, B. Hill, L. Jafarova, and A. Perett. 2005. *Hurricane Charley: The Aftermath, Impacts and Responses*. Unpublished Technical Report. Department of Geography, University of South Florida, Tampa, FL.
- Montz, B.E. 2002. Understanding Hazardousness of a Place: An Application in Rotorua, New Zealand. *Research in Contemporary and Applied Geography: A Discussion Series XXVI* (1): 1-25.
- Grant, J., W. Hunter, B. Montz, and M. Treier. 2002. Changing Vulnerability to Natural Hazards: Population Shifts and Hazardousness in Virginia. *Research in Contemporary and Applied Geography: A Discussion Series XXVI* (3): 1-18.
- Tobin, G.A. and B.E. Montz. 1997. *The Impacts of a Second Catastrophic Flood on Property Values in Linda and Olivehurst, California*. Quick Response Report #95. Boulder, CO: Natural Hazards Research and Applications Information Center.
- Montz, B.E., M. Bank, M. Darpino, and J. Porter. 1997. The Dynamics of Presidential Disaster Declarations: A Case Study of Broome County, New York. *Research in Contemporary and Applied Geography: A Discussion Series*, Vol. 21, No. 1.
- Montz, B.E. and G.A. Tobin. 1997. *The Environmental Impacts of Flooding in St. Maries, Idaho*. Quick Response Report #93. Boulder, CO: Natural Hazards Research and Applications Information Center.
- Montz, B.E. 1994. *Methodologies for Analysis of Multiple Hazard Probabilities: An Application in Rotorua, New Zealand*. Fulbright Research Scholar Report. Prepared for the Centre for Environmental and Resource Studies, University of Waikato, Hamilton, New Zealand.
- Dixon, J.E. and B.E. Montz. 1993. *Managing Environmental Effects*. CEARS Occasional Publication No. 1. Hamilton, New Zealand: Centre for Environmental and Resource Studies, University of Waikato.
- Montz, B.E. 1992. *The Impact of Hazard Area Disclosure on Property Values in Three New Zealand Communities*. Natural Hazard Research Working Paper No. 76. Boulder, CO: Institute of Behavioral Science, University of Colorado.

Frazier, J.W., B.E. Montz, and N.F. Henry. 1981. *An Assessment of Flood-related Experiences, Attitudes, and Mitigation Behaviors: A Case Study of Four Broome County, New York Communities*. Produced in cooperation with the Dept. of Planning, Broome County, NY.

Editorial Products

Montz, B.E. 2008. Special Issue: The Role of Science in Watershed Management. *Journal of Contemporary Water Research and Education* 138: 51 pp.

Tobin, G.A. and B.E. Montz. 2005. *Papers of the Applied Geography Conferences* 28: 468 pp.

Montz, B.E. and G.A. Tobin. 2004. *Papers of the Applied Geography Conferences* 27: 522 pp

Tobin, G.A. and B.E. Montz. 2003. *Papers of the Applied Geography Conferences* 26: 566 pp.

Montz, B.E. and G.A. Tobin. 2002. *Papers and Proceedings of the Applied Geography Conferences* 25: 427 pp.

Tobin, G.A., B.E. Montz, and F.A. Schoolmaster. 2001. *Papers and Proceedings of the Applied Geography Conferences* 24: 426 pp.

Montz, B.E. (Ed.). 1989. Topics in Geographic Education. Special Issue of *The Social Science Record* 26(1): 38 pp.

Tobin, G.A. and B.E. Montz (Eds.). 1983. Water Resources Management. Special Issue of *The Environmental Professional* 5(1):140 pp.

Book Reviews

Principles of Emergency Planning and Management by David Alexander. Review in *The Geographical Review* 94(1), 2005.

Global Environmental Risk edited by Jeanne X. Kasperson and Roger E. Kasperson. Review in the *Annals of the Association of American Geographers* 93 (1), 2003.

Cartographies of Danger: Mapping Hazards in America by M. Monmonier. Review in *The Professional Geographer* 50 (3), 1998.

The Environmental Policy Paradox by Z.A. Smith. Review in *The Pennsylvania Geographer*, 1996.

Sharing Environmental Risks: How to Control Governments' Losses in Natural Disasters, by R.J. Burby et al. Review in *Impact Assessment*, Summer, 1995.

Cities Under Water, A Comparative Evaluation of Ten Cities' Efforts to Manage Floodplain Land Use, by R.J. Burby et al. Review in *Land Use Policy*, October, 1989.

Geomorphology in Environmental Planning, edited by J.M. Hooke. Review in *Economic Geography*, 1989.

Regional Management of Metropolitan Floodplains, Experiences in the United States and Abroad, edited by R.H. Platt. Review in *The Professional Geographer*, 1988.

Flood Plain Land Use Management: A National Assessment, by R.J. Burby and S.P. French.
Review in *Growth and Change*, Spring, 1987.

Overshoot, The Ecological Basis for Revolutionary Change, by W.R. Catton, Jr. Review in *The Professional Geographer*, May, 1985.

Natural Hazard Risk Assessment and Public Policy: Anticipating the Unexpected, by W.J. Petak and A.A. Atkisson. Review in *The Professional Geographer*, November, 1984.

Integrated Physical, Social, and Environmental Planning, edited by Y.J. Ahmad and F.G. Muller.
Review in *The Professional Geographer*, August, 1983.

Intergovernmental Management of Floodplains, by R. H. Platt et al. Review in *The Professional Geographer*, August, 1981.

GRANTS

In Preparation

“Levees and Land Use: Understanding the Direct and Indirect Impacts on People and Policies” (with G.A. Tobin). To be submitted to the National Science Foundation.

“Flooding and Water Quality: Managing Impacts of Floods on New York City’s Water Supply.” To be submitted to the New York State Department of Environmental Conservation.

Submitted

6/09-12/10 “Flood Event Visualization: Preparing the Public for Disaster” (with K. Heard, Binghamton University and collaborators from the NWS Weather Forecast Office, Binghamton). \$144,742. National Science Foundation.

Awarded

1/09-12/09 “Levees and Mitigation: Old Tools and New Vulnerabilities” (with G.A. Tobin). \$2,980. Quick Response Grant, Natural Hazards Research and Applications Information Center, Boulder, CO.

1/08-12/08 “Near Misses: The Public’s View of National Weather Service Winter Storm Warnings” (with S. Stewart, University of Arizona). \$3,320. Quick Response Grant, Natural Hazards Research and Applications Information Center, Boulder, CO

1/08-12/08 “Hurricane and Flood Hazards: Impacts of the National Flood Insurance Program on Urban Land-use Patterns” (with G.A. Tobin, University of South Florida). \$2,990. Quick Response Grant, Natural Hazards Research and Applications Information Center, Boulder, Colorado.

9/07-2/08 “Planning for Neighborhood Revitalization: The East-Side of Binghamton, NY” (with M.E. Reisinger). \$30,000. City of Binghamton Department of Planning and Economic Development.

- 5/07 "The Role of Science in Watershed Management" (with Center for Integrated Watershed Studies colleagues). \$7,000. Binghamton University Provost's Interdisciplinary Symposia Program.
- 6/05 "Equipment Needs to Insure Safe Sample Collection in Large Rivers" (with J. Graney and P. Knuepfer). \$2,641. Great Lakes Research Consortium.
- 6/02-9/02 "Collaborative Research on Hazard Warning Systems in Slovenia and the United States." (with E. Grunfest, University of Colorado, Colorado Springs, and M. Brilly, University of Ljubljana). \$8,600. National Research Council.
- 9/00-9/01 "Task Group on Great Lakes Social Science Research Initiatives." Great Lakes Research Consortium. \$1,350
- 9/00-5/01 "Rivers and Watersheds." Harpur College Dean's Workshop. \$2,600.
- 6/98-5/99 "The Effectiveness of Flood Damage Reduction Initiatives in North America." \$9,950. The Compton Foundation.
- 1/98-12/98 "The Hazardousness of Place: Modeling Risk and Vulnerability." \$50,000. POWRE Program Grant, National Science Foundation.
- 1/97-1/98 "A 'Once in a Lifetime' Flood Event - Again: The Relationship Between Catastrophic Flooding and Land Values." \$2,750. Quick Response Grant, Natural Hazards Research and Applications Information Center, Boulder, CO.
- 1/96 - 1/97 "The Environmental Impacts of Flooding: Testing a Methodology." \$2,650. Quick Response Grant, Natural Hazards Research and Applications Information Center, Boulder, Colorado.
- 9/94 - 12/94 "Multiple Hazards Management in New Zealand: A Methodology for Assessing Vulnerability." Fulbright Research Scholarship.
- 5/92 - 1/92 "Innovational Course in Sustainable Development." \$8,800. Binghamton University President's Innovational Projects Grant.
- 1/91 - 1/92 "Market Gatekeepers: Their Impact on Property Values Following Flooding." \$2,650. Quick Response Grant, Natural Hazards Research and Applications Information Center, Boulder, Colorado.
- Summer, 1991 "New York Summer Geography Institute." \$35,000. National Geographic Society and the O'Connor Foundation.
- Summer, 1990 "New York Summer Geography Institute." \$45,000. National Geographic Society and American Express Foundation.
- Summer, 1989 "New York Summer Geography Institute." \$60,000. National Geographic Society, American Express Foundation, and the Florence and John Schumann Foundation.
- 1/88 - 12/90 "New York Geographic Alliance." \$45,000. National Geographic Society.

- 3/88 - 2/90 "The Relationship between Flood Characteristics and Land Values over Time and Space." \$70,438. National Science Foundation.
- 3/87 - 12/87 "Broome County: User Fee Options for Private and Municipal Refuse Haulers." \$6,071. Broome County, New York Legislature.
- 12/86 - 12/87 "The Immediate Impact of Flooding on Residential Real Estate." \$2,575. Quick Response Grant, Natural Hazards Research and Applications Information Center, Boulder, Colorado.
- 6/86 - 12/86 "Industrial Development Agency: Environmental Impact Statement for Broome County Packing Company." \$10,289. Broome County Industrial Development Agency.
- 6/85 - 6/86 "United Health Services: Environmental Assessment for Ideal Hospital." \$2,743. United Health Services, Broome County, New York.
- 6/85 - 12/85 "Industrial Development Agency: Environmental Assessment for George Industries." \$2,640. Broome County Industrial Development Agency.
- 5/84 - 12/84 "Changes in Floodplain Occupancy: The Effects of Policy, 1955-1983." \$2,570. Faculty Summer Research Grant Program, SUNY- Binghamton.
- 3/83 - 3/85 "The Floodplain as a Housing Submarket." \$3,373. Research Foundation of SUNY, University Awards Program.

RECENT CONFERENCE PRESENTATIONS

- "Warning and Response to Extreme Events: Linking Atmospheric and Social Sciences." Webinar for National Weather Service, Severe Storms Training Session. Presented at the NWS office, Binghamton, NY; broadcast to 25 other offices nationwide. April 2009.
- "Drill Baby Drill: The Rush for Natural Gas from the Marcellus Shale Formation, New York." Presented in Special Session on Water and Energy, Association of American Geographers Annual Meeting, Las Vegas, NV. March 2009.
- "Going Coastal: Risk and Vulnerability Along our Shorelines." Invited presentation at the Changing Climates-Changing Minds Conference, Stony Brook, NY. November, 2008.
- "Systemic Trends in Vulnerability: Policies and Practices Leading to Differences in Disaster Recovery." Presented at the 4th Race, Ethnicity, and Place Conference, Miami, FL. November, 2008.
- "Land Use and Socio-Economic Changes after Katrina: The Case of Mississippi." Presented with G. Tobin at the 31st Applied Geography Conference, Wilmington, DE. October, 2008.
- "Social Impacts: Knowledge, Perception and Response." Presented at the New York State Disaster Preparedness Conference, Syracuse, NY. September, 2008.

- “Frequent Flooding in Broome County, New York: Hydrology and Impacts of four Floods.” Illustrated poster presentation in a Water Resources Specialty Group Special Session at the Annual Meeting of the Association of American Geographers, Boston, MA. April, 2008.
- “Responses to Hurricane and Flood Warnings: Lessons from Florida and New York.” Poster presentation at the American Meteorological Society Annual Meeting, New Orleans, LA. January, 2008.
- “Three Decades of Applied Geography: Themes from the Applied Geography Conferences since 1978.” Presented with G. Tobin at the 30th Applied Geography Conference, Indianapolis, IN. October, 2007.
- “Student Research on the June 2006 Flood.” Presented at the New York State Association of Floodplain Managers Annual Conference, Horseheads, NY. September, 2007.
- “Managing Land for Sustainable Watersheds: Issues with Developing Political Will.” Presented at the Watershed Management and Science Conference, Binghamton University. May, 2007.
- “Emerging Issues in Hazards Research.” Presented at a Water Resources Specialty Group Special Session at the Annual Meeting of the Association of American Geographers, San Francisco, CA. April, 2007.
- “Livin’ Large with Levees.” Presented with G. Tobin in a Special Session on Flood Hazards in the Central Valley of California at the Annual Meeting of the Association of American Geographers, San Francisco, CA. April, 2007.
- “Inland Vulnerability to Hurricanes: a Case Study of Hurricane Charley.” Presented with G. Monitz at the 29th Applied Geography Conference, Tampa, FL. October, 2006.
- “Understanding Vulnerability: The Importance of Scale in Evaluating Areas Affected by Hurricane Charley.” Poster presentation at the Annual Meeting of the Association of American Geographers, Chicago, IL. March, 2006.
- “Client-Driven Education? Issues for an Applied Geography Curriculum.” Presented at the North American Regional Science Association Annual Meeting, Las Vegas. November, 2005.
- “Socio-Economic Patterns of Vulnerability: Senior Living Developments and Hurricane Charley.” Presented at the Annual Applied Geography Conference, Washington, DC. November, 2005.
- “Disaster Vulnerability among the Elderly: An Examination of the Impacts of Hurricane Charley.” Presented at the Annual Meeting of the Association of American Geographers, Denver, CO. April, 2005.
- “Hurricane Charley: Changing Vulnerability in Seventeen Florida Counties.” Presented at the Florida Society of Geographers Annual Meeting, Orlando, FL. February, 2005.

- “Snowbirds and Hurricane Charley: An Evaluation of the Impacts of a Hurricane on Senior Living Developments.” Presented at the Annual Applied Geography Conference, St. Louis, MO. October, 2004.
- “The Chicken or Egg: An Empirical Analysis of Environmentally Noxious Facilities and Racial/Ethnic Neighborhood Characteristics.” Presented at the 2004 Conference on Race, Ethnicity, and Place, Washington, DC. September, 2004.
- “The Evolution of Research on Hazards and Disasters: 1940 through 1970.” Presented in a special session organized for the Hazards Specialty Group, Association of American Geographers, Philadelphia, PA. March 2004.
- “Vulnerability of the Tampa Region: Evaluating Physical and Socio-Economic Contributions.” Presented with G.A. Tobin, University of South Florida at the Annual Applied Geography Conference, Colorado Springs, CO. November, 2003.
- “Mud/Flood Events in Slovenia and the United States: A Comparison of Warning and Mitigation Strategies.” Presented with E. Grunfest, University of Colorado, Colorado Springs and M. Brilly, University of Ljubljana in a special session organized for the Hazards Specialty Group, Association of American Geographers, New Orleans, LA. March, 2003.

RECENT UNIVERSITY AND PUBLIC PRESENTATIONS

- “Hazard Warning and Response: Where Natural and Social Science Meet.” Invited Presentation at the Pennsylvania Geographical Society Annual Meeting, Clarion University, October, 2008.
- “Relocation as Flood Mitigation: The Differing Experiences of Soldiers Grove and Valmeyer,” with G.A. Tobin. Kent State University, February, 2008.
- “Adjustments to the Flood Hazard,” presented as part of a panel (with P. Knuepfer and D. Nicosia). Harpur Forum, October, 2006.
- “A River Runs Through It: The June, 2006 Floods.” Presented to the Vestal Rotary, September, 2006.
- “Relocation as Flood Mitigation: The Differing Experiences of Soldiers Grove and Valmeyer,” with G.A. Tobin. Kansas State University, April, 2006.
- “Understanding Warning and Response: Where Natural Science Meets Social Science.” University of South Florida, October, 2005.
- “Mobile Home Parks and Seasonal Lifestyles: Disaster Resilience in Senior Communities after Hurricane Charley.” Penn State University, September, 2005.
- “The Force of Change: Hurricane Katrina, Social Vulnerability, and Flood Mitigation.” Colgate University, December, 2004.

TEACHING EXPERIENCE

Binghamton University 1979-2009

Introduction to Geography (GEOG 101)
Weather and Climate (team taught) (GEOG 120)
Economic Geography (GEOG 232)
Environmental Policy and Planning (GEOG.ENVI 239)
Natural Hazards (GEOG/ENVI 330, GEOG 530)
Environmental Management (GEOG 339/575)
Water Resources Planning and Management (GEOG 341/542)
Environmental Impact Statements (ENVI 413)
Economic Geography Seminar (GEOG 574)
Environmental Impact Assessment (GEOG 581)
Resource Management (GEOG 582)

SERVICE AND PROFESSIONAL ACTIVITIES

Intra-University

Director of Graduate Studies, Geography Department, Binghamton University, 1999-2008
East Campus Project Committee, 2006-2008
Masters of Public Administration Personnel Committees, 2005-2006
Student Affairs Strategic Planning Committee, 2005
NCAA Compliance Committee, Equity and Gender Welfare Subcommittee, 2004-2005
Social Science Assessment Coordinating Committee - 2004
Educational Policies and Priorities Committee, 2003 – 2005
All-University Personnel Committee, 2002-2004, 2006 – 2008
 Chair, 2006-2007
 Chair, Interpretation and Procedures Committee, 2003-2003
Global Studies Integrated Curriculum Committee, 2001-2005
Chair, Faculty Senate, 2001- 2003
Faculty Senate Executive Committee, 2000- 2003
University Affirmative Action Officer Search Committee, 2000
Environmental policy liaison to Masters of Public Administration Program, 2001-2006
Campus Representative, Great Lakes Research Consortium, 1999-2009
Harpur College Dean Search Committee, 2000.
Graduate Council, 1986-1988, 1993-1996, 1999-2002
 Vice-Chair, 1987; Chair, Grievance Committee, 1999-2002
Chair, International Education Advisory Committee, 1999-2002
Harpur College Academic Standards Committee, 1998-2000
Mentor, General Education Mentoring Program, 1996-2000
Outside examiner on PhD Dissertation Committees for the Departments of Anthropology,
 Biology, Economics, and Political Science, and the School of Education and Human
 Development (EdD)
Environmental Studies Committee, 1979 - 2009
 Director, 1988-1990; 1992-1997; Fall, 1998-2002
Faculty Advisor, Gamma Theta Upsilon (National Geography Honorary Society), 2000-2009

Geography Department Grievance Committee, 1993-2008
Search Committee, Geography Department, Summer, 2005
Search Committee for Earth Scientist, Geology Department, 1996-1997
Undergraduate Committee, Geography Department, 1997-1999
Director of Undergraduate Studies, Geography Department, 1988-1991
Geology Undergraduate Committee, 1980-1997
Chair, Geography Department Honors Committee, 1988-1997

Extra-University

Member, National Weather Association Committee on Societal Impacts of Weather and Climate, 2009

Member, National Weather Service Assessment Team for the Mother's Day Weekend tornadoes, 2008.

Broome County Sustainability Coalition, Gas Drilling Task Force, 2008

City of Binghamton Brownfields Steering Committee, 2008

Member, National Academy of Sciences, National Research Council Committee
FEMA Flood Maps: Accuracy Assessment and Cost-Effective Improvements, 2007-08
The National Weather Service's Advanced Hydrologic Prediction System, 2004

Member, American Meteorological Society Board on Societal Impacts, 2007-2010

Co-Executive Director, Applied Geography Conferences, 2000-2007

Panel Member

Oak Ridge Institute for Science & Education, Southeast Regional Research Initiative, 2007
US Environmental Protection Agency STAR Fellowships in Geography, 2007
National Science Foundation
Human and Social Dimensions, Exploratory Grants Program, 2006
Infrastructure Systems Management and Hazard Response, 2006

Outside Examiner for theses at the University of Waterloo and SUNY College of Environmental Science and Forestry, 2004; University of South Florida, 2006; 2007, Texas State University, 2008.

Board of Directors, Renewable Natural Resources Foundation, 2000-2003; Alternate Director, 2004

Chair, Commission of the Status of Women in Geography, Association of American Geographers, 2001-2003

Member, Editorial Board, Journal of Applied Geography, 2008
Member, Editorial Board, The Southeastern Geographer, 2007-Present
Member, Editorial Board, the Slovak Geographical Journal, 2006-Present
Member, Editorial Board, Environmental Hazards, 1999-Present.
Member, Editorial Board, Renewable Resources Journal, 2002-2006
Member, Editorial Board, The Professional Geographer, 2000-2004

Member, Association of State Floodplain Managers Foundation Advisory Board, 1997-Present.

Panel Member, NSF/EPA Partnership for Environmental Research (Water and Watersheds; Decision-making and Valuation of the Environment), 2001, 1999, 1997

Delegate, Board on Natural Resources, National Association of State Universities and Land Grant Colleges (NASULGC), 1996-2001; Chair Committee to Establish a Section on Ecology, 1998.

Chair, Hazards Specialty Group, Association of American Geographers, 1997-1999.

Reviewer for numerous journals as well as the National Science Foundation and the New Zealand Foundation for Research, Science, and Technology.

Chair, Water Resources Specialty Group, Association of American Geographers, 1994-1996. Secretary-Treasurer, 1992-1994.

Chair, Student Awards Committee, Hazards Specialty Group, Association of American Geographers, 1992-1994.

Moderator, New York State Geography Bee Final Competition. 1992, 1993, 1995, 1996.

Regional liaison, New York Geographic Alliance Steering Committee, 1992-1996.

Organizer and Lecturer (with J.E. Dixon), Seminar Series on Managing Environmental Effects. Auckland, Hamilton, Dunedin, Christchurch, Nelson, Wellington, and Napier, New Zealand. June, 1992.

AWARDS

Distinguished Geographer Award, Pennsylvania Geographical Society, 2008

Distinguished Geography Alumni Award, Mary Washington College, 2005

PROFESSIONAL AFFILIATIONS

American Meteorological Society

Board on Societal Impacts

Association of American Geographers

Geographic Perspectives on Women Specialty Group

Hazards Specialty Group

Water Resources Specialty Group

Association of State Floodplain Managers

University Consortium on Water Resources