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412 Doublehead Lane
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RESEARCH Environmental and energy policy, futures studies, sustainability, decision making methods,
INTERESTS: uncertainty methods, technology policy, computers in society, social theory.

EDUCATION:

9/79-6/82 **Northwestern University**, Ph.D. in Urban and Regional Planning.
9/77-6/79 **Harvard University**, Masters in City and Regional Planning (Graduate School of Design and Kennedy School of Government).
9/73-6/77 **Stanford University**, B.S. in Civil Engineering.

EXPERIENCE:

8/04 - Present **Professor**, Department of Political Science, University of Tennessee, Knoxville
8/04 - Present **Director**, Urban and Regional Planning Program, University of Tennessee, Knoxville
7/06 - Present **Leader**, Environmental Sustainability Area, Institute for a Secure and Sustainable Environment, University of Tennessee, Knoxville
9/01- Present **Senior Researcher**, Environmental Sciences Division, Oak Ridge National Laboratory
8/03 - 7/06 **Chair**, Urban Studies Program, University of Tennessee-Knoxville
8/03 - 7/04 **Interim Director**, Department of Urban and Regional Planning, University of Tennessee-Knoxville
8/01- 7/04 **Professor**, Department of Urban and Regional Planning, University of Tennessee-Knoxville
8/99 -7/01 **Associate Professor**, Department of Urban and Regional Planning, University of Tennessee-Knoxville
9/97 - 9/01 **Senior Researcher**, Energy Division, Oak Ridge National Laboratory
10/95 - 9/98 **Co-principal Investigator**, National Center for Environmental Decision-making Research
9/88 - 8/97 **Group Leader**, Policy Analysis Systems Group, Oak Ridge National Laboratory.
1/83 - 8/88 **Research Staff**, Oak Ridge National Laboratory.

RECENT PROJECTS: NYSERDA "Directly Measuring Non-Energy Impacts"
U.S. DOE "Weatherization Assistance Program Evaluation Planning"
U.S. DOE "Estimating Energy Savings Attributable to the DOE State Energy Program"
U.S. DOE "Preliminary Estimates of Federal Energy Management Program Metrics"
NYSERDA "Assessing Synergistic Benefits of Market Transformation Programs"
U.S. EPA "Air Quality in the Great Smokey Mountains National Park"
U.S. DOE "Preliminary Estimates of Best Practices Program Metrics"
U.S. DOE "Benefits of Automotive Lightweight Materials Program Research Projects"
U.S. DOE "Impact of Weatherization on Demands for LIHEAP Benefits"
State of Michigan "Energy Savings in Low Income Homes"

U.S. DOE "Evaluation of Industrial Assessment Center Program"
 U.S. DOE "Partnership for a New Generation Vehicle: Environmental Analyses"
 TVA "Assessment of Future Environmental Regulations"
 NSF "National Center for Environmental Decision-making Research"
 U.S. DOE "Public Policy Responsibilities and Electric Industry Restructuring"
 National Oceanic and Atmospheric Administration "Uncertainty and Global Climate Change"
 U. S. DOE "Utility of the Future"
 Bureau of Labor Statistics "Determining Features of Dynamic and Hard to Price Products"
 U.S. EPA "Hazardous Waste Capacity Assurance Planning"
 U.S. Forest Service "Citizen Juries and Natural Resource Benefits Estimation"
 Bureau of Labor Statistics "Intrahousehold Communication Study"
 Bureau of the Census "Recommendations for Technology Innovation and Management"
 U.S. DOE "Cost of RCRA Corrective Action"
 Electric Power Research Institute "Theoretical Study of Uncertainty"

APPOINTMENTS: Expert Reviewer, IPCC Working Group II Fourth Assessment, Fall, 2005.
 Peer Review Panel, STAR Fellowships, EPA, February 16-17, 2005
 Associate, Energy, Environment and Resources Center, University of Tennessee,
 Knoxville, 2002-2005
 Expert Panel, State of California Non-Energy Benefits of Low Income Weatherization
 Program Rate Test Assessment, San Francisco, CA, February 27, 2001
 ICMA Risk Workgroup Member, June 2000 - June 2001
 NSF Information Technology Research (ITR), Socio-economics Panel Reviewer,
 Washington, DC, May 4-5, 2000.
 NSF Knowledge and Distributed Intelligence Initiative (KDI) Panel Reviewer,
 Washington, DC, July 12- 13, 1999.
 Peer Review Panel for the Integrated Risk Project: EPA Science Advisory Board,
 Washington, DC, July 1-2, 1999.
 Peer Review Panel, EPA FUTURES — Detecting Early Signals Grants Program,
 Washington, DC, March 1999.
 Council Member, Social Science Computing Association, 1991-1996.
 President, Social Science Computing Association, 1993-1994.

EDITORIAL Consulting Editor, *Futures*

BOARDS: Member, *Social Science Computing Review*

PROFESSIONAL Organizing Committee, Using Assessments to Strengthen River Restorations,
MEETINGS: ICMA, Norfolk, Virginia, June 15-16, 2001
 Organizing Committee, 2nd NCEDR Conference on Environmental Decision Making,
 April 1999.
 Organizing Committee, Workshop on Information Technology and Environmental
 Decision Making, Kennedy School of Government, Harvard University,
 Cambridge, MA, October 1998.
 Organizing Committee, 1st NCEDR Conference on Environmental Decision Making,
 May 1998.
 Program Committee, Industrial Engineering Applications of Artificial Intelligence and
 Expert Systems, June 1997.
 Chair, Workshop on "Information Technology, K-12 Education, and the Issue of

Sustainability," Chattanooga, TN, September 24-26, 1995.
Program Committee, Conference on Computing for the Social Sciences, San Diego Supercomputer Center, San Diego, CA, June 16-20, 1995.
Co-Chair, Workshop on "Public Policy Responsibilities in a Restructured Electric Industry," Chicago, IL, April 3-4, 1995.
Co-Chair, Workshop on "IRP and the Electric Utility of the Future," Chicago, IL, July 19-20, 1994.
Program Committee, Conference on Computing for the Social Sciences, University of Maryland, College Park, MD, June 1-3, 1994.
Chair, Workshop on "Uncertainty and Global Climate Change," Knoxville, TN, March 22-23, 1994.
Co-Chair, National Information Infrastructure Education Forum, Arlington, VA, October 6-8, 1993.
Program Chairperson, Conference on Computing for the Social Sciences, National Center for Supercomputing Applications, Urbana, IL, May 19-21, 1993.
Co-Chair, Workshop on the "Urban Perspectives of Acid Rain," Raleigh, NC, September 23-24, 1992.
Organizing Committee, Conference on Advanced Computing and Information Technologies for the Social Sciences, University of Georgia, Athens, GA, April 8-10, 1991.
Co-Chairperson, Conference on Advanced Computing for the Social Sciences, Williamsburg, VA. April 10-12, 1990.

AWARDS: **Founders Award of Merit**, Social Science Computing Association, June 20, 1995.
Walter P. Murphy Fellowship, Northwestern University, 1979-80.
Newhouse Foundation Scholarship, Stanford University, 1976-77, 1975-76.

PROFESSIONAL AFFILIATIONS: Member, American Planning Association
Member, Society for Risk Analysis
Member, American Association for the Advancement of Science
Member, World Futures Society
Member, World Futures Studies Federation

JOURNAL ARTICLES/BOOK CHAPTERS

Tonn, B. 2006. "A Methodology for Quantifying and Aggregating the Impacts of Environmental Scanning Leads," (Submitted to **Technological Forecasting and Social Change**)

Tonn, B. 2006. "State-Level Benefits of Energy Efficiency," (Submitted to **Energy Policy**)

Tonn, B. and Conrad, F. 2006. "Thinking about the Future: A Psychological Analysis," (submitted to **Social Behavior and Personality**)

Tonn, B., and MacGregor, D. 2006. "A Singular Chain of Events," (submitted to **Futures**)

Tonn, B. 2006. "Beliefs about Human Extinction," (submitted to **Futures**)

Tonn, B., Ball, J., Gast, F., Kenehan, S., and Waite, B. 2006. "The Case for Regional Climate Change Adaptation Planning," (submitted to **Climate Policy**)

Jepson, E., Tonn, B., and Dickenson, R., 2006. "Sustainability – How Far Do Our Development Models Really Take US?" (submitted to **Journal of Planning Education and Research**)

Tonn, B., and Marland, G. 2006. "A Method for Attributing Carbon Sequestered in Wood Products to Multiple Parties," (submitted to **Environmental Science and Policy**)

Tonn, B. and Carpenter, P. 2006. "Technology for Sustainability," **Encyclopedia for Ecology** (Forthcoming)

Tonn, B. 2006. "Futures Sustainability," **Futures** (Forthcoming)

Tonn, B. 2006. "The Intergovernmental Panel for Climate Change: A Global Scale Transformative Initiative," **Futures** (Forthcoming)

Tonn, B. and Eisenberg, J. 2006. "The Aging U.S. Population and Residential Energy Demand," **Energy Policy** (Forthcoming)

Tonn, B. 2006. "Determinants of Futures-Oriented Environmental Policies: A Multi-Country Analysis," **Futures** (Forthcoming)

Tonn, B., Conrad, F., and Hemrick, A. 2006. "Cognitive Representations of the Future: Survey Results," **Futures** Vol. 38, 810-829.

Tonn, B. 2006. "Coevolution of Social Science and Emerging Technologies," W. Bainbridge and M. Roco (Eds.) **Managing Nano-Bio-Info-Cogno Innovations: Converging Technologies in Society**, Springer, Dordrecht, The Netherlands, 309-336.

Tonn, B., English, M., and Turner, R. 2006. "The Future of Bioregions and Bioregional Planning," **Futures**, Vol. 38, No. 4, 379-381.

Tonn, B., English, M., Turner, R., and Hemrick, A. 2006. "The Future of Bioregional Planning in the Southern Appalachian Man and the Biosphere Region," **Futures**, Vol. 38, No. 4, 490-504.

Tonn, B., Peretz, J., Reed, G., and Robles, L. 2006. "Ozone Concentrations Around the Great Smoky Mountains National Park," **Futures Research Quarterly**, Vol 21, No. 3, 57-80.

Peretz, J., Tonn, B., Garnmeister, S., Reed, G., and Robles, L. 2005. "Using Scenarios to Assess the Impact of Air Pollution in the Great Smoky Mountains National Park," **Public Works Management and Policy**, Vol. 10, No. 2, October 2005, pp. 170-185.

Tonn, B. and Hogan, M. 2005. "House of Lords: Guardians of Future Generations," **Futures**, Vol. 38, 115-119.

Peretz, J., Das, S. and Tonn, B. 2005. "Evaluating the Short-Run Benefits of Federal R&D Expenditures," **Journal of Technology Transfer**, 30(3), 2005, pp. 287-301.

Peretz, J., Tonn, B., and Folz, D. 2005. "Explaining the Performance of Mature Municipal Solid Waste Recycling Programs," **Journal of Environmental Planning and Management**, Vol. 48, No. 5, 627-650.

Tonn, B. 2005. "Thinking About the Future: Observations from the Field," **Futures Research Quarterly**, Vol. 20, No. 4, 33-46.

Tonn, B. 2005. "Imprecise Probabilities and Scenarios," **Futures**, Vol. 37, No. 8, 767-775.

Tonn, B. 2004. "Darwin and Beyond," **Futures**, Vol. 36, No. 10, 1121-1125.

Das, S., Tonn, B., and Peretz, J. 2004. "Benefit-Cost Analysis of Automotive Materials Lightweighting Projects," **International Journal of Energy Technology Policy**, Vol. 2, No. 4, 369-391.

Tonn, B. 2004. "MyEmpowerNet.gov: A Proposal to Enhance Policy E-Participation"" **Social Science Computing Review**, Vol. 22, No. 3, 335-356.

Tonn, B. and Cottrill, C. 2004. "An Environmental Plan for the Middle Nolichucky River Area," **Environmental Practice**, Vol. 6, No. 1, 50-62.

Tonn, B. and Hemrick, A. 2004. "Impacts of the Use of E-mail and the Internet on Personal Trip Making Behavior," **Social Science Computing Review**, Vol. 22, No. 2, 270-280.

Tonn, B. 2004. "Religion, Futures and Futurism," **Futures**, Vol. 36, No. 9, 1045-1048.

Tonn, B. 2004. "Research Society: Science and Technology for the Ages," **Futures**, Vol. 36, 335-346.

Tonn, B. 2004. "Integrated 1000-Year Planning," **Futures**, Vol. 36, 91-108.

Tonn, B. 2003. "An Equity-First, Risk-Based Framework for Managing Global Climate Change," **Global Environmental Change**, Vol. 13, 295-306.

Schweitzer, M. and Tonn, B. 2003. "Nonenergy Benefits of the U.S. Weatherization Assistance Program: a Summary of Their Scope and Magnitude." **Applied Energy**, Vol. 76, 321-335.

Tonn, B., Schexnayder, S., Peretz, J., Das, S. and Waidley, G. 2003. "Assessment of Waste Issues Associated with the Production of New, Lightweight, Fuel Efficient Vehicles," **Journal of Cleaner Production** Vol. 11, No. 7, 753-766.

Tonn, B., Wagner, S. and Schmoyer, R. 2003. "Weatherizing the Homes of Low-Income Home Energy Assistance Program Clients: A Programmatic Assessment," **Energy Policy**, Vol. 31, 735-744.

Tonn, B. and Conrad, F. 2003. "Using Informants' Judgments to Infer Attributes in Dynamic Domains," **Field**

Methods, Vol. 15, No. 2, 202-217.

Tonn, B. 2003. "Introduction: What Futures for Social Science?" **Futures**, Vol. 35, No. 6, 547-551.

Tonn, B. 2003. "The Future of Futures Decision Making," **Futures**, Vol. 35. No. 6, 673-688.

Tonn, B. 2003. Book Review. Concrete and Clay: Reworking Nature in New York City by Matthew Gandy, (MIT Press, Cambridge, MA.) **Journal of Planning Education and Research**, Vol. 22, No. 3, 319-320.

Tonn, B. and Das, S. 2002. "Assessment of Platinum Availability for Advanced Fuel-Cell Vehicles," **Transportation Research Record**, 1815, 99-104.

Tonn, B., and Ogle, L. 2002. "Gatlinforge: A Vision of a Future Gateway Community," **Futures Research Quarterly**, Vol. 18, No. 3, 5-39.

Tonn, B. and Ogle, E. 2002. "A Vision for Communities in the 21st Century: Back to the Future," **Futures**, Vol. 34, No. 8, 717-734.

Schweitzer, M., Berry, L., Jones, D., and Tonn, B. 2002. "Quantifying the Output of the State Energy Program: The Enumeration Indicators Approach," **Energy Studies Review**, Vol. 10, No. 2, 140-156.

Tonn, B. 2002. "Urban and Rural Values: Technological Perspectives," E. Novaky, T. Gaspar, and G. Tyukodi (Eds.) **Changing Values – Forming New Societies**, Futures Studies Center, Budapest University of Economic Sciences and Public Administration, Budapest, Hungary, 118-122.

Tonn, B. 2002. "Anytown USA in the Year 2050: Glimpses of the Future," **Planning Forum**, Vol. 8, 79-95.

Tonn, B. 2001. "Distant Futures and the Environment," **Futures**, Vol. 34, No. 2, 117-132.

Tonn, B., Zambrano, P., and Moore, S. 2001. "Community Networks or Networked Communities: State-of-the-Art," **Social Science Computer Review**, Vol. 19, No. 2, 201-212.

Tonn, B., Petrich, C., and Waidley, G., 2001. "The Aging U.S. Population and Environmental Policy," **Journal of Environmental Planning and Management**, Vol. 44, No. 6, 851-876.

Tonn, B. 2001. "Institutional Designs for Long-term Stewardship of Nuclear and Hazardous Waste Sites," **Technological Forecasting and Social Change**, Vol. 68, 255-273.

Tonn, B. and Peretz, J. 2001. "A Method for Gauging the Limits to Foresight in Environmental Decision Making," **Technological Forecasting and Social Change**, Vol. 67, 35-53.

Tonn, B. 2000. "Monetary Policy and the Non-Profit Sector," Opinion Piece, **Chronicle of Philanthropy**, Oct. 19.

Tonn, B. and Martin, M. 2000. "Industrial Energy Efficiency Decision Making," **Energy Policy**, Vol. 28, 831-

843.

Tonn, B., English, M., and Travis, C., 2000. "A Framework for Understanding and Improving Environmental Decision Making," **Journal of Environmental Planning and Management**, Vol. 43, No. 2, 165-185.

Tonn, B. 2000. "Technology for a Sustainable Environment: A Futures Perspective – Commentary," **Public Works Policy & Management**, Vol. 4, No. 3, 171-176.

Tonn, B. 2000. "Overview of Special Issue on Communities and National Laboratory Research Programs," **Public Works Policy & Management**, Vol. 4, No. 3, 196-197.

Tonn, B. 2000. "Ensuring the Future," **Futures**, 32, 17-26.

Tonn, B. 2000. "Comments on the State of American Environmental Decision Making," **Environmental Practice**, Vol. 2, No. 2, 135-138.

Tonn, B. 2000. "Environmental Decision Making in the Face of Uncertainty," **Environmental Practice**, Vol. 2, No. 2, 188-202.

Tonn, B. 1999. Review of: *Sustainable Cities and Energy Policies* by R. Capello, P. Nijkamp, and G. Pepping: Springer, Berlin. **Environment and Planning C**, Vol. 17, No. 6, 773-774.

Tonn, B. 1999. "Sustainability and Supra-Communitarianism," **Foresight**, Vol. 1, No. 4, 343-352.

Tonn, B. 1999. "Sociodiversity: Learning to Make Sustainability Decisions," **Futures Research Quarterly**, Vol. 15, No. 2, 53-74.

Yuracko, K., Tonn, B., Morris, M., and Bogard, J. 1999. "Better D&D Decision-Making Through Life Cycle Analysis" **RadWaste**, Vol. 6, No. 4, 31-37.

Tonn, B. and Peretz, J. 1999, "Institutional Problems Facing Environmental Decision Makers in Local, State, and Other Subnational Governments," **Environmental Practice**, Vol. 1, No. 1, 25-36.

Tonn, B. 1999, "Transcending Oblivion," **Futures**, Vol. 31, 351-359.

Tonn, B., Wagner, C., Schweitzer, M., Godfrey, G., and MacGregor, D., 1998, "Methodology for Assessing Potential Future Environmental Legislative, Regulatory, and Judicial Events," **Futures Research Quarterly**, Vol. 14, No. 1, pp. 47-75.

Tonn, B. 1998, "Public Works Directors Take Lead in Protecting Environment," **APWA Reporter**, Vol. 65, No. 3, pp. 22-23.

Tonn, B., and Petrich, C., 1998. "Everyday Life's Constraints on Citizenship in the United States," **Futures**, Vol. 30, No. 8, 783-813.

Pollard, V. and Tonn, B., 1998. "Revisiting the 'Court of Generations' Amendment: A Conversation," **Futures**, Vol. 30, No. 4, 345-352.

Tonn, B., and Petrich, C. 1998, "Can Government Public Participation Programs Foster Environmental Citizenship?" **Interact**, Vol. 4, No. 1, 83-105.

Tonn, B., 1999, "Decision Day," in *Co-Creating a Public Philosophy for Future Generations*, Eds. T. Kim and J. Dator, Adamantive Press, Twickenham, United Kingdom, 223-241.

Tonn, B., and Peretz, J. 1997. "Field Notes on Using Risk in Environmental Decision-making: Lack of Credibility All Around," **Inside EPA: Risk Policy Report**, Summer, p. 34-36.

Tonn, B., and Schweitzer, M., 1997, "Institutional and Programmatic Suggestions for Satisfying Public Policy Responsibilities in a Retail Competitive Electric Industry," **Energy Policy**, Vol. 25, No. 1, pp. 29-42.

Tonn, B. 1997, "Conflict is A Choice," Review of *Resolving Environmental Conflict: Towards Sustainable Community Development* by Chris Maser, **Forum**, Vol. 12, No. 4, p. 148.

Tonn, B., 1996, "A Design for Future-Oriented Government," **Futures**, Vol. 28, No. 5, pp. 413-431.

Hirst, E., and Tonn, B., 1996, "Social Goals and Electric-Utility Deregulation," **Issues in Science and Technology**, Vol. 12, No. 3, pp. 43-47.

Tonn, B., and Berry, L., 1996, "The Value of Imprecise Uncertainty Concepts and Methods for Evaluating DSM," **Journal of the Association of Energy Services Professionals**, Vol.2, No. 2, pp. 87-104.

Tonn, B., 1996, "An Algorithmic Approach to Combining Belief Functions," **The International Journal of Intelligent Systems**, Vol. 11, pp. 463-476.

Tonn, B., 1996, "Citizen Juries and Future Generations," **The Knowledge Base of Future Studies**, Ed. Richard Slaughter, Vol 2: Organizations, Practices, Products, Future Studies Centre, Melbourne, Australia, pp. 245-259.

Tonn, B., and White, D., 1996, "Sustainable Societies in the Information Age," **The American Sociologist**, Vol. 27, No. 1, pp. 102-121.

Tonn, B., 1996, "Global Society and Information Technology: Social Science Challenges in the 21st Century," **Social Science Computer Review**, Vol. 14, Nol. 1, pp. 78-80.

Tonn, B., 1996, "Summary of CSS'95," **Social Science Computer Review**, Vol. 14, No. 2, pp. 187-189.

Tonn, B., and Schaffhauser, Jr., A., 1995, "Global and Electric Utility Industry Scenarios," **Futures Research Quarterly**, Vol. 11, No. 4, pp. 5-38.

Tonn, B., and Feldman, D., 1995, "Non-Spatial Government," **Futures**, Vol. 27, No. 1, pp. 11-36.

Hirst, E., Tonn, B., and Bauer, D., 1995, "The Future of IRP," **The Electricity Journal**, Vol. 8, No. 3, pp. 74-84.

Brown, T., Peterson, G., and Tonn, B., 1995, "The Values Jury to Aid Natural Resource Decisions," **Land Economics**, Vol. 71, No. 2, pp. 250-260.

Tonn, B., 1994, "Future Generations, Environmental Ethics, and Global Environmental Change," **Creating a New History for Future Generations**, T. Kim and J. Dator (Eds.), Institute for the Integrated Study of Future Generations, Kyoto, Japan, November, pp. 141-158.

Peretz, J., Tonn, B., Bohm, R., Elliott, S., and Hwang, H., 1994, "Hazardous Waste Capacity Assurance Planning: Volumes for One-Time Remediation," **Remediation**, Vol. 4, No. 3, pp. 405-424.

Tonn, B., 1994, "Using the National Information Infrastructure for Social Science, Education, and Informed Decision Making," **Social Science Computer Review**, Vol. 12, No. 2, pp. 166-182.

Stevens, S., Tonn, B., and Southworth, F., 1994, "A Study of the Potential for Cooperation Between Models and Modelers," **Social Science Computer Review**, Vol. 12, No. 2, pp. 231-241.

Tonn, B., 1994, Book review of "Assigning Liability for Superfund Cleanups: An Analysis of Policy Options" by K. Probst and P. Portney. **Forum**, Vol. 9, No. 3, pp. 140-141.

Tonn, B., Russell, M. and Warren, J., 1993, "RCRA Corrective Action Costs: An Estimating Model for Nonfederal Facilities," **Remediation**, Vol. 3, No. 2, pp. 157-182.

Russell, M., and Tonn, B., 1993, "Response to Comments on the 'Hazardous Waste Legacy,'" **Environment**, Vol. 35, No. 1, p. 42.

Tonn, B., Goeltz, R., and Chiang, T.L., 1993, "An Object-Based Interviewing System," **Social Science Computer Review**, Vol. 11, No. 1, pp. 48-62.

Tonn, B. and Schaffhauser, Jr., A., 1992, "Towards a More General Theoretical and Mathematical Model of Uncertainty for Policy Analysis," **Environment and Planning A**, Vol. 24, pp. 1337-1353.

Tonn, B., Goeltz, R., and Travis, C., 1992, "Eliciting Reliable Uncertainty Estimates," **Expert Systems**, Vol. 9, No. 1, pp. 25-33.

Potter, D., Miller, J., Tonn, B., Gandham, R., Lapena, C., 1992, "Improving the Reliability of Heuristic Multiple Fault Diagnosis via the EC-based Genetic Algorithm," **International Journal of Applied Artificial Intelligence**, Vol. 2, pp. 5-23.

Russell, M., Colglazier, W., and Tonn, B., 1992, "The Hazardous Waste Legacy," **Environment**, Vol. 34, No. 6, pp. 12-15, 34-39.

Tonn, B., 1991, "The Court of Generations: A Proposed Amendment to the U.S. Constitution," **Futures**, Vol.

23, No. 5, pp. 482-498.

Truett, T., Yow, T., and Tonn, B., 1991, "Influencing Public Policy through Information Sharing," **IEEE Transactions: Special Issue on Public Policy and Professional Communication**, Vol. 34, No. 4, pp. 228-232.

Tonn, B., 1991, "Recommendations for Decentralized Information Technology Innovation and Management," **The Information Society**, Vol. 7, No. 2, pp. 139-154.

Tonn, B., and White, D., 1991, "Energy Savings in New, Low-Rise Multifamily Buildings Due to Energy Efficient Building Practices," **Energy Systems and Policy**, Vol. 14, pp. 85-111.

Tonn, B., 1991, Guest Editor, "Symposium on Advanced Social Science Computing," **Social Science Computer Review**, Vol. 9, No. 1, Spring Issue.

Tonn, B., and Wagner, C., 1991, "Risk Assessment with Lower Probabilities," **Journal of Environmental Sciences**, Vol. 20, No. 2, pp. 169-178.

Tonn, B., Goeltz, R., and Travis, C., 1991, "Elicitation of Natural Language Representations of Uncertainty Using Computer Technology," in **Risk Analysis: Prospects and Opportunities**, C. Zervos (Ed.), Plenum Press, New York, pp. 143-152.

Tonn, B., and Goeltz, R., 1990, "An Experiment in Combining Estimates of Uncertainty," in **New Risks: Issues and Management**, L. Cox and P. Ricci (Eds.), Plenum Press, New York, pp. 403-412.

Tonn, B., 1990, "The Development of the Ideas of Uncertainty Representation," **Environment and Planning A**, Vol.23, No. 6, pp. 783-812.

Tonn, B., Travis, C., Goeltz, R., and Phillippi, R., 1990, "Knowledge-Based Representation of Risk Beliefs," **Risk Analysis**, Vol. 10, No. 1, pp. 169-184.

Wagner, C., and Tonn, B., 1990, "Diagnostic Conditionalization," **Mathematical Social Sciences**, Vol. 19, pp. 159-165.

Tonn, B., and White, D., 1990, "Residential Wood Combustion for Space Heating in the Pacific Northwest: Difficulties for Electric Utilities," **Energy Policy**, Vol. 18, No. 3, pp. 283-292.

Tonn, B., and Goeltz, R., 1990, "Psychological Validity of Uncertainty Combining Rules in Expert Systems," **Expert Systems**, Vol. 7, No. 2, pp. 94-101.

Travis, C., Phillippi, R., and Tonn, B., 1989, "Judgment Heuristics and Medical Decisions," **Patient Education and Counseling**, Vol. 13, pp. 211-220.

Tonn, B., Travis, C., Arrowood, L., Goeltz, R., and Mann, C., 1989, "Analysis of Individual Risk Belief Structures," in **Risk Assessment in Setting National Priorities**, J. Bonin and D. Stevenson (Eds.), Plenum Press, New York, pp. 431-442.

Tonn, B., Kunz, D., and Hosack, G., 1988, "Knowledge-Based Systems and Budget Analysis in Large Public Organizations," **Interfaces**, Vol. 18, pp. 114-122.

Tonn, B., and White, D., 1988, "Monitored Wood Use in Hood River Homes: Saving Energy or Saving Electricity," **Energy and Buildings**, Vol. 13, pp. 63-72.

Tonn, B., and White, D., 1988, "Patterns of Residential Wood and Electricity Use: Results from the Hood River Conservation Project," **Energy**, Vol. 13, No. 6, pp. 485-498.

Tonn, B., 1988, "A Method for the Non-Statistical Assessment of Behaviorally Based Policy Models," **Environment and Planning A**, Vol. 20, No. 5, pp. 669-679.

Tonn, B., and White, D., 1988, "Residential Electricity Use, Wood Use, and Indoor Temperature: An Econometric Model," **Energy Systems and Policy**, Vol. 12, No. 3, pp. 151-166.

Tonn, B., 1987, "Philosophical Aspects of 500-Year Planning," **Environment and Planning A**, Vol. 20, pp. 1507-1522.

Tonn, B., and White, D., 1987, "Residential Demand for Wood: Results From the U.S. Pacific Northwest," **Energy**, Vol. 12, No. 12, pp. 1265-1274.

Tonn, B., and White, D., 1987, "Residential Wood Use Trends in the Pacific Northwest," **Energy Systems and Policy**, Vol. 11, No. 3, pp. 231-250.

Tonn, B., 1986, "500-Year Planning," **Journal of the American Planning Association**, Vol. 52, No. 2, pp. 185-193.

Tonn, B., 1987, "The Bonneville Power Administration/Conservation/Load/Resource Modeling Process," **Energy Systems and Policy**, Vol. 10, No. 4, pp. 277-309.

Tonn, B., 1986, "Using Possibility Functions for Long Term Environmental Planning," **Futures**, December, pp. 795-807.

Tonn, B., 1986, "A Framework for the Non-Statistical Assessment of Behaviorally Based Policy Models," **Environment and Planning A**, Vol. 18, No. 6, pp. 789-802.

Tonn, B. and Berry, L., 1986, "Determinants of Participation in Home Energy Audit/Loan Programs: Discrete Choice Model Results," **Energy**, Vol. 11, No. 8, pp. 785-795.

Tonn, B., and Hirst, E., 1986, "Lowering the Costs of Program Evaluation: Energy Conservation Programs in the Pacific Northwest," **Evaluation Review**, Vol. 10, No. 3, pp. 355-375.

Tonn, B., 1985, "Information Systems and Society: Prospects and Problems," **The Information Society**, Vol. 3, pp. 241-260.

Tonn, B., and Berry, L., 1985, "An Illustration of Household Energy Conservation Modeling Using the Search/List Decision Heuristic," **Environment and Planning A**, Vol. 17, No. 9, pp. 1243-1261.

Tonn, B., 1984, "The Cyclic Process Decision Heuristic: An Application in Time Allocation Modeling," **Environment and Planning A**, Vol. 16, No. 9, pp. 1197-1220.

Tonn, B., 1984, "A Sociopsychological Contribution to the Theory of Individual Time Allocation," **Environment and Planning A**, Vol. 16, No. 2, pp. 201-224.

Tonn, B., 1984, "Evaluation of Programs with Numerous Jurisdictional Implementations: Selection of Sample for In-Depth Analysis," **Evaluation Review**, Vol. 8, No. 4, pp. 537-558.

REFEREED CONFERENCE PAPERS

Schweitzer, M., and B. Tonn, 2005. "Painting a Big Picture: Using Activity Counts and Savings Multipliers to Estimate State Energy Program Accomplishments," 2005 International Energy Program Evaluation Conference Proceedings: Reducing Uncertainty Through Evaluation, August 17-19, 933-943.

DeCotis, P., Pakenas, L., Ellefsen, J. and Tonn, B. 2004. "Assessing Synergies Among NYERDA's Programs," 2004 ACEEE Summer Study in Energy-Efficient Buildings, Asilomar, August.

Martin, M., Schmoyer, R., Tonn, B., and Schexnayder, S. 2003. "Study of Energy Savings Generated by Clients of the Industrial Assessment Center Program," Proceedings of the International Energy Program Evaluation Conference, Seattle, Washington, August.

Schweitzer, M., Tonn, B., Berry, L., and Jones, D. 2003. "Using Performance Metrics to Quantify Energy Savings and Emissions Reductions for the U.S. Department of Energy's State Energy Program," Proceedings of the International Energy Program Evaluation Conference, Seattle, Washington, August.

Tonn, B. and Peretz, J. 2003. "Career Paths Of Senior Industrial Assessment Center Program Alumni," ACEEE 2003 Conference Proceedings, New York, July.

DeCotis, P., Tonn, B., Pakenas, L., and Eisenberg, J. 2002. "Systems-Based Portfolio Evaluation: Diagnostic Benefits and Methodological Challenges," ACEEE 2002 Conference Proceedings, Asilomar, August.

Tonn, B. and Das, S. 2002. "An Assessment of Platinum Availability for Advanced Fuel Cells," Proceedings of the Transportation Research Board Conference, Washington, DC, January.

Tonn, B. 2000. "Policy Discussion for Session III," Proceedings of the Community Based Environmental Decision Making Workshop: Session Three – Cooperation in Environmental Decision Making, Report EE-0433, U.S. Environmental Protection Agency, Washington, DC, 81-87.

Dhingra, R., Overly, J., Davis, G., Das, S., Hadley, S., and Tonn, B. 2000. "A Life-Cycle-Based Environmental Evaluation: Materials in New Generation Vehicles," 2000-01-0595, SAE 2000 World Congress, Detroit, Michigan, March 6-9, 1-10.

Tonn, B. and Yuracko, K. 1999. "Life Cycle Analysis: On Your Desktop in the Future," Sustainability 2000

Conference, Institution of Chemical Engineers, November 1999 (in cyberspace).

Yuracko, K.L., Tonn, B.E. (1999) "Using Information Technology to Push the Boundaries of Life Cycle Analysis for D&D Decision-Making", Proceedings, DD&R Topical Meeting on Site Restoration of Government and Commercial Facilities, September 12-17, 1999, Knoxville, TN.

Yuracko, K., Tonn, B., Williams, K., Bishop, L., and Yerace, P. 1999. "The Life Cycle Analysis Toolbox," Proceedings of Waste Management '99, Tucson, Arizona, February.

Yuracko, K., Tonn, B., Morris, M., and Bishop, L. 1999. "Life Cycle Analysis System to Support D&D, Pollution Prevention, and Asset Recovery," Proceedings of Waste Management '99, Tucson, Arizona, February.

Tonn, B., 1995, "Expected Values From Imprecise Probability," Proceedings of the Applied Climatology Conference, Dallas, Texas, January 15-20, pp. 273-274.

English, M., Feldman, D., Swanson, M., MacGregor, D., and Tonn, B., 1995, "Licensee Advisory Boards for Site Decommissioning Plans," Waste Management '95, Tucson, Arizona, February.

Tonn, B., 1993, "Dimensions of Jobs in the United States: An Expansive Viewpoint," Proceedings of the International Occupational Classification Conference, Washington, D.C., June 22-24, pp. 365-367.

Conrad, F., and Tonn, B., 1993, "Intuitive Classification of Occupation," Proceedings of the International Occupational Classification Conference, Washington, D.C., June 22-24, pp. 169-178.

Mullin, P., and Tonn, B., 1993, "Factors Associated with Proxy Knowledge of Employment Related Information," Proceedings of the American Statistical Association, Winter Conference, Fort Lauderdale, Florida.

Wagner, C., and Tonn, B., 1993, "Constructing Lower Probabilities," Proceedings of the Uncertainty and Artificial Intelligence Conference, Washington, D.C., July.

Tonn, B., and Hirst, E., 1992, "Development of a Demand-Side Management Program Expert System," Proceedings of the 1992 Advanced Computer Technology Conference, Electric Power Research Institute, Scottsdale, Arizona, December 9-11.

Tonn, B., Bronzini, M., Goeltz, R., Hilliard, M., and Irby, M., 1992, "Technology and the 21st Century Government Organization," Proceedings of the 5th Advanced Technology Conference, U.S. Postal Service, Washington, D.C., November 30 - December 2.

Tonn, B., 1992, "Synthesizing Evidence for Diagnosis," Proceedings of the 5th Advanced Technology Conference, U.S. Postal Service, Washington, D.C., November 30 - December 2.

MacGregor, D., Tonn, B., and Goeltz, R., 1991, "Decision Support System Development Using a Migration Approach," Expert Systems Applications for the Electric Power Industry, Boston, Massachusetts, September 9-11.

Tonn, B., and Valverde, J., 1991, "The Changing Face of Probability," Expert Systems Applications for the Electric Power Industry, Boston, Massachusetts, September 9-11.

Tonn, B., and Wagner, C., 1991, "The Case for Lower Probabilities Measures of Uncertainty", Expert Systems Applications for the Electric Power Industry, Boston, Massachusetts, September 9-11.

MacGregor, D., and Tonn, B., 1991, "Practical Implications of Theories of Uncertainty Elicitation," Expert Systems Applications for the Electric Power Industry, Boston, Massachusetts, September 9-11.

Potter, W., Tonn, B., Hilliard, M., Liepins, G., Goeltz, R., and Purucker, S., 1990, "Diagnosis, Parsimony, and Genetic Algorithms," Proceedings of the Third International Conference on Industrial and Engineering Applications of Artificial Intelligence and Expert Systems, Charleston, South Carolina, July, pp. 1-8.

Tonn, B., Goeltz, R., Arrowood, L., and Hake, K., 1990, "Artificial Intelligence and Subject Interviewing," Proceedings of Advanced Computing for the Social Sciences, Williamsburg, Virginia, April.

Tonn, B., Travis, C., Goeltz, R., and Phillippi, R., 1989, "Risk Communication and the Cognitive Representation of Uncertainty," Proceedings of Society for Risk Analysis Conference, San Francisco, California, October.

Purucker, S., Goeltz, R., and Tonn, B., 1989. "Communications Alarm Processor Demonstration," Proceedings of the International Symposium for Demonstrations of Expert System Applications to the Power Industry, Montreal, Canada, May.

MacGregor, D., Valenta, W., Tonn, B., and Goeltz, R., 1989, "Embedded Training in AI Technology Through an Expert System Interface: An Alarm Processor Application," Proceedings of 2nd International Conference on Industrial and Engineering Applications of AI and Expert Systems, Tulahoma, June.

Purucker, S., Goeltz, R., Tonn, B., Hemmelman, K., Rasmussen, R., and Borys, S., 1988, "Communication Alarm Processor Expert System," Power Systems and Expert Systems Proceedings, Stockholm, Sweden, August.

Tonn, B., White, D., and Currier, C., 1988, "Energy Savings Due to Model Conservation Standards in Multifamily Buildings," ACEEE Proceedings, Monterey, California, August 2, pp. 2180-2194.

Tonn, B., and Arrowood, L., 1987, "ARK - Acquiring and Reasoning About Knowledge," Proceedings of the Third Annual Expert Systems in Government Conference, October 21-23, Washington, D.C.

Tonn, B., and Uppuluri, R., 1986, "Uncertainty Paradigms Used in Expert Systems," Proceedings of the Colloquia of the International Symposium on Methodologies for Intelligent Systems, Knoxville, Tennessee.

Emrich, M., and Tonn, B., 1986, "Applying An Expert System Approach to Problem Solving Within Large Organizations," Proceedings of the ASME Winter Annual Meeting, Anaheim, CA.

TECHNICAL REPORTS

Ternes, M., Schweitzer, M., Tonn, B., Eisenberg, J., McCold, L., and Schmoyer, R. 2005. "National Evaluation of the Department of Energy's Weatherization Assistance Program (WAP): Program Year 2006 Experimental Plan," Oak Ridge National Laboratory, Oak Ridge, TN (Working Draft)

Tonn, B. 2006. "State-Level Benefits of Energy Efficiency," ORNL/TM-2006/115, Oak Ridge National Laboratory, Oak Ridge, TN, August.

Tonn, B. and Martin, M. 2005. "Preliminary Approach to Assess Penetration of New Energy-Efficient Technologies in the Federal Sector," Oak Ridge National Laboratory, Oak Ridge, TN

Tonn, B., Martin, M., and Madgett, M. 2005 "Federal Energy Management Program Utility Energy Service Contracts (UESC) Program Activity Analysis: FY2000-2004," ORNL/CON- 494, Oak Ridge National Laboratory, Oak Ridge, TN, October.

Schweitzer, M. and Tonn, B. 2005. "An Evaluation of State Energy Program Accomplishments: 2002 Program Year," ORNL/CON-492, Oak Ridge National Laboratory, Oak Ridge, TN, June.

Tonn, B., Schexnayder, S., and Martin, M. 2004. "Preliminary Assessment of IAC Leveraged and Non-Energy Benefits," Oak Ridge National Laboratory, Oak Ridge, TN.

Peretz, J., Tonn, B., Garnmeister, S., Barkenbus, J., Reed, G., and L. Robles. 2004. "Impacts of Policies on Vehicle Miles Traveled and Air Quality in the Park in the Year 2050," Energy, Environment and Resources Center, University of Tennessee, Knoxville.

Ezzell, T., Ogle, E., Tonn, B., and Rogers, S. 2004. Roadmap to Sustainability: A Report to the Appalachian Regional Commission. University of Tennessee Community Partnership Center, Knoxville, TN, June.

Tonn, B. and Noltenious, M. 2004. Case Studies. Appendix B. New York Energy Smart Program Evaluation and Status Report. Final Report. Volume 2. New York State Energy Research and Development Authority, May 2004.

Tonn, B. 2003. "Evaluation of Synergistic Impacts of the New York Energy SmartSM Program," Appendix C, New York Energy SmartSM Program Evaluation and Status Report. New York State Energy Research and Development Authority, May.

Tonn, B. and Wagner, C. 2003. "A Methodology to Measure Synergy at the Program Participant Level," ORNL/CON-491, Oak Ridge National Laboratory, Oak Ridge, Tennessee, Sept.

Schexnayder, S., Tonn, B., and Martin, M. 2003. "Leveraging and Institutional Assessment of the U.S. Department of Energy's State Partnerships Program," ORNL/TM-2003/131, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Tonn, B., Thompson, B. and Berry, L. 2003. "Other Fuels Study Results," ORNL/CON-488 (Appendix A), Oak Ridge National Laboratory, Oak Ridge, TN, February.

Schweitzer, M., Jones, D., Berry, L., and Tonn, B. 2003. Estimating Annual Energy and Cost Savings for the State Energy Program Based On Enumeration Indicators Data. ORNL/CON-487, Oak Ridge National Laboratory, Oak Ridge, TN, January.

Tonn, B. 2002. "Urban and Rural Values: Technological Perspectives," in Changing Values – Forming New Societies: Budapest Futures Course 2001 (E. Novaky, T. Gaspar, G. Tyukodi Eds.), Futures Studies Center, Budapest University of Economic Sciences and Public Administration, Budapest, Hungary, 118-122.

Das, S., Peretz, J., and Tonn, B. 2002. Evaluation of the Benefits Attributable to Advanced Lightweight Material Program Research and Development Projects: Case Studies No. 2. Oak Ridge National Laboratory, Oak Ridge, TN, Sept.

Peretz, J., Tonn, B. and Martin, M. 2002. An Assessment of Energy-related Career Paths of Senior Industrial Assessment Center Program Alumni. ORNL/TM-2002-226, Oak Ridge National Laboratory, Oak Ridge, TN. December.

Jones, D., Tonn, B., and Martin, M. 2002. Preliminary Estimation of Energy Management for the Best Practices Program. ORNL/TM-2002/134, Oak Ridge National Laboratory, Oak Ridge, TN, July.

Seitz, V., Tonn, B., Berry, B., Brashier, C., Kennedy, T., Sachs, I., and Wagner, S. 2001. Participatory Planning For Sustainable Development in Cocke County, Tennessee: A Report to the Appalachian Regional Commission and the People of Cocke County. Community Partnership Center, University of Tennessee, Knoxville.

Schweitzer, M. and Tonn, B. 2001. Non-energy Benefits from the Weatherization Assistance Program: A Summary of Findings from the Recent Literature. ORNL/CON-484, Oak Ridge National Laboratory, Oak Ridge, TN, April.

Martin, M., Tonn, B. and Schexnayder, S. 2001. Leveraging Benefits Attributable to Centers Within the Industrial Assessment Center Program. ORNL/TM-2002/32, Oak Ridge National Laboratory, Oak Ridge, TN, Feb.

Tonn, B. Schmoyer, R. and Wagner, S. 2002. Evaluation of Relationships between Weatherizing Low Income Homes and the Low Income Home Energy Assistance Program (LIHEAP). ORNL/CON-486, Oak Ridge National Laboratory, Oak Ridge, TN, January.

Schexnayder, S., Das, S., Tonn, B., Davis, G., Dhingra, R., Overley, J., and Peretz, J. 2001. Environmental Evaluation of New Generation Vehicles and Vehicle Components. ORNL/TM-2001-266 Oak Ridge National Laboratory, Oak Ridge, TN, December.

Das, S., Peretz, J., and Tonn, B. 2001. Evaluation of the Benefits Attributable to Advanced Lightweight Material Program Research and Development Projects. ORNL/TM-2001-237, Oak Ridge National Laboratory, Oak Ridge, TN, November.

Peretz, J., Tonn, B., and Folz, D. 2000. The Role of Decision-making Processes in Mature Municipal Solid Waste Recycling Programs. Energy, Environment and Resources Center, University of Tennessee-Knoxville,

Knoxville, TN, October.

Martin, M., Tonn, B., Schmoyer, R., Overly, J., Schexnayer, S., and Johnson, D. 2000. Evaluation of DOE's Industrial Assessment Center Program. ORNL/CON- 473, Oak Ridge National Laboratory, Oak Ridge, TN, January.

Das, S., Curlee, R., Davis, G., Dhingra, R., Hadley, S., Jones, D., Overly, J., Schexnayder, S., Tonn, B., and Wolfe, A. 2000. Supporting Infrastructure and Acceptability Issues Associated with Two New Generation Vehicles: P2000 and ESX2. ORNL/TM-2000/91, Oak Ridge National Laboratory, Oak Ridge, TN.

Yuracko, K., Tonn, B., and Morris, M. 1999. Assessment of Cost Savings of DOE's Return-on-Investment Program. ORNL/TM- 1999/155, Oak Ridge National Laboratory, Oak Ridge, TN.

Folz, D., Bohm, R., Peretz, J., and Tonn, B. 1999. Analysis of National Solid Waste Recycling Programs and Development of Solid Waste Recycling Cost Functions: Summary Statistics for Data Set No. 1, Joint Institute for Energy and Environment, University of Tennessee-Knoxville, Knoxville, Tn, July.

Tonn, B., and Turner, R. 1999. Environmental Decision Making and Information Technology: Issues Assessment. ORNL/NCEDR-9, Oak Ridge National Laboratory, Oak Ridge, TN, May.

Tonn, B. and Conrad, F. 1999. Method for Developing Descriptions of Hard-to-Price Products: Results of the Telecommunications Products Study. ORNL/M-6701, Oak Ridge National Laboratory, Oak Ridge, TN, May.

Yuracko, K., Morris, M., and Tonn, B. 1999. Pollution Prevention Project Proposal Evaluation. Oak Ridge National Laboratory, Oak Ridge, TN, March.

Tonn, B. and MacGregor, D. 1998, "Contributions to Sustainability by Communities and Individuals: Problems and Prospects," ORNL/NCEDR-8, Oak Ridge National Laboratory, Oak Ridge, Tennessee, November.

Tonn, B., Schweitzer, M., Godfrey, G., Wagner, C., and MacGregor, D. 1997. "Assessing Potential Future Legislative, Regulatory, And Judicial Events," ORNL/NCEDR-6, Oak Ridge National Laboratory, Oak Ridge, Tennessee, December.

Tonn, B., and Petrich, C. 1997. "Environmental Citizenship: Problems and Prospects," ORNL/NCEDR-1, Oak Ridge National Laboratory, Oak Ridge, Tennessee, December.

Turner, R. S., Tonn, B., and English, M. 1997. "Environmental Decision Making: A Framework and Institutional and Information Needs," NCEDR Report 97-17, National Center for Environmental Decision-making Research, Knoxville, Tennessee.

Schuman, T., Bohm, R., Folz, D., Peretz, J., and Tonn, B. 1997. Analysis of National Solid Waste Recycling Programs: A summary of the Literature. Report prepared for the U.S. EPA, Report # CR 822614-01, Energy, Environment and Resources Center, University of Tennessee-Knoxville, Knoxville, TN

Tonn, B. and Schweitzer, M., 1996, "Public Policy Responsibilities in a Restructured Electric Industry: An

Analysis of Values, Objectives, and Approaches," ORNL/CON-428, Oak Ridge National Laboratory, Oak Ridge, Tennessee, March.

Tonn, B., Hirst, E., and Bauer, D., 1995, "Public Policy Responsibilities in a Restructured Electric Power Industry," ORNL/CON-420, Oak Ridge National Laboratory, Oak Ridge, Tennessee, June.

Tonn, B., and Conrad, F., 1995, "Product Feature Elicitation Project: A Summary," ORNL/M-4598, Oak Ridge National Laboratory, Oak Ridge, Tennessee, July.

Tonn, B., and Schaffhauser, Jr., A., 1995, "Understanding, Representing, and Managing Uncertainty in Integrated Resource Planning," ORNL/CON-399, Oak Ridge National Laboratory, Oak Ridge, Tennessee, January.

Tonn, B., and Wagner, C., 1995, "Handling Uncertainty in Quantitative Estimates in Integrated Resource Planning," ORNL/CON-388, Oak Ridge National Laboratory, Oak Ridge, Tennessee, January.

Tonn, B., and Oliver, C. E., 1994, "National Information Infrastructure Education Forum: Summary Report," ORNL/TM-12671, Oak Ridge National Laboratory, Oak Ridge, Tennessee, April.

Tonn, B., 1994, "Using the National Information Infrastructure for Social Science, Education, and Informed Decision Making: A White Paper," ORNL/TM-12651, Oak Ridge National Laboratory, Oak Ridge, Tennessee, January.

English, M., Feldman, D., Swanson, M., MacGregor, D., and Tonn, B., 1994, "Using Licensee Advisory Boards in the Development of Restricted Use Decommissioning Plans," University of Tennessee-Knoxville, December.

Tonn, B., Hirst, E., and Bauer, D., 1994, "IRP and the Electric Industry of the Future: Workshop Results," ORNL/CON-398, Oak Ridge National Laboratory, Oak Ridge, Tennessee, September.

Tonn, B., and Weiher, R., 1994, "Uncertainty and Global Climate Change: Workshop Summary," ORNL/M-3704, Oak Ridge National Laboratory, Oak Ridge, Tennessee, July.

Tonn, B., and Schaffhauser, Jr., A., 1994, "Perspectives on the Future of the Electric Utility Industry," ORNL/CON-385, Oak Ridge National Laboratory, Oak Ridge, Tennessee, April.

Tonn, B., Hwang, H., Elliott, S., Peretz, J., Bohm, R., and Jendrucko, B., 1994, "Methodologies for Estimating One-Time Hazardous Waste Generation for Capacity Assurance Planning," ORNL/TM-12741, Oak Ridge National Laboratory, Oak Ridge, Tennessee, April.

Tonn, B., Peterson, G., and Brown, T., 1994, "Using Citizen Juries for Natural Resource Management," Rocky Mountain Forest and Range Experiment Station, Fort Collins, Colorado.

English, M., Gibson, A., Feldman, D., and Tonn, B., 1993, "Stakeholder Involvement: Open Processes for Reaching Decisions About the Future Uses of Contaminated Sites," University of Tennessee, Knoxville, September.

Tonn, B., 1993, "The Urban Perspective of Acid Rain," prepared for National Acid Precipitation Assessment Program, Washington, D. C.

Tonn, B., 1992, "A Comprehensive, Multifaceted Approach for Estimating the Benefits of SUPERFUND: A White Paper," prepared for Industrial Economics, Inc., Cambridge, Massachusetts for the U.S. EPA.

White, D., Stovall, T., and Tonn, B., 1992, "Persistence of the Impact of the Hood River Conservation Project on the Typical and Peak Loads: Three Years After Weatherization," ORNL/CON-321, Oak Ridge National Laboratory, Oak Ridge, Tennessee, February.

Tonn, B., Wagner, C., and MacGregor, D., 1992, "Theoretical Study of Quantitative Models for Uncertainty Management in Expert Systems," Electric Power Research Institute Report.

Purucker, S., Tonn, B., Goeltz, R., James, R., Kerchel, S., Rzy, D.T., Simpson, M., and Van Dyke, J., 1992, "Feasibility Study: Application of RCM Techniques for Substation Maintenance at the Bonneville Power Administration," ORNL/TM-12051, Oak Ridge National Laboratory, Oak Ridge, Tennessee, May.

Arrowood, L., and Tonn, B., 1992, "Expert Systems and the CPI Product Substitution Review: A Needs Analysis for the U. S. Bureau of Labor Statistics," ORNL/TM-11987, Oak Ridge National Laboratory, Oak Ridge, Tennessee, February.

Goeltz, R., Purucker, S., and Tonn, B., 1991, "Analysis of Artificial Intelligence Applications for Celilo-Sylmar HVDC Intertie Operations," ORNL/CF-92/201, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Tonn, B., Russell, M., Hwang, H., Goeltz, R., and Warren, J., 1991, "Costs of RCRA Corrective Action," ORNL/TM-11864, Oak Ridge National Laboratory, Oak Ridge, Tennessee, August.

Goeltz, R., Purucker, S., Tonn, B., Wiggen, T., and MacGregor, D., 1990, "Bonneville Power Administration Communication Alarm Processor Expert System: Design and Implementation," ORNL/TM-11323, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Tonn, B., Edwards, R., Goeltz, R., Hake, K., Hayes, J., 1990, "Technology Innovation and Management in the U.S. Bureau of the Census," ORNL-6600, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Goeltz, R., and Tonn, B., 1989, "The Scientific and Engineering Computing System: Results of the Pre-Implementation and Post Implementation Surveys," ORNL/CF-89/205, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Tonn, B., Goeltz, R., Curlee, R., and Cohn, S., 1988, "The Scientific and Engineering Computing System and the Functioning Organization: Pre-implementation Survey Results," ORNL/CF-88/91, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Tonn, B., and Goeltz, R., 1988, "People Versus Probability" ORNL/TM-10898, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Tonn, B., Goeltz, R., and Hwang, H., 1988, "Concept Paper: Alternative Approaches to the Year 2000 Census," ORNL/CF-89/70, Oak Ridge National Laboratory, Oak Ridge, Tennessee, December.

Tonn, B., White, D., and Currier, C., 1988, "Energy Savings in New, Low-Rise Multifamily Buildings: Model Conservation Standards in Tacoma, Washington" ORNL/ CON-264, Oak Ridge National Laboratory, Oak Ridge, Tennessee, January.

White, D., and Tonn, B., 1988, "Electricity Displacement by Wood Used for Space Heating in PNWRES (1983) Households," ORNL/CON-261, Oak Ridge National Laboratory, Oak Ridge, Tennessee, December.

Curlee, R. and Tonn, B., 1987, "A Conceptual Model of How a Management Information System May Succeed or Fail," ORNL/TM-10320, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Curlee, R., Tonn, B., and Cohn, S., 1987, "A Study of the Energy Systems Travel Department's Information System: A Pretest of Management Information Systems and the Functioning Organization," ORNL/CF-87176, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Curlee, R., and Tonn, B., 1987, "Management Information Systems and Organizational Structures: Determinants of Success or Failure," American Evaluation Association Annual Meeting, Boston, Massachusetts, October 16.

Kunz, D., Tonn, B., and Hosack, G., 1987, "Knowledge-Based Systems and Large Public Organizations: An Application to Navy Budget Analysis," ORNL-6360, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Tonn, B., Goeltz, R., and Purucker, S., 1987, "Expert Systems and Microwave Communication Systems Alarms Processing: A Feasibility Study," ORNL/TM-10429, Oak Ridge National Laboratory, Oak Ridge, Tennessee, July.

Tonn, B., and White, D., 1987, "Use of Wood for Space Heating: Analysis of Hood River Conservation Project Sub-Metered Homes," ORNL/CON-234, Oak Ridge National Laboratory, Oak Ridge, Tennessee, September.

University of Tennessee - Knoxville/Oak Ridge National Laboratory Workshop, 1986, Design Contact Proposal to Develop An Intelligent Network for Kawasaki, Japan.

Tonn, B., and White, D., 1986, "Residential Wood-Use in the Pacific Northwest: 1979-1985," ORNL/CON-216, Oak Ridge National Laboratory, Oak Ridge, Tennessee, December.

Tonn, B., Hirst, E., and Holub, E., 1985, "Use of Evaluation Data to Develop a Low-Cost Monitoring System for the BPA Residential Weatherization Program," ORNL/CON-181, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Tonn, B., Holub, E., and Hilliard, M., 1985, "The Bonneville Power Administration Conservation/Load/Resource Modeling Process: Review, Assessment, and Suggestions for Improvement," ORNL/CON-190, Oak Ridge National Laboratory, Oak Ridge, Tennessee, December, (See also CON-179).

Tonn, B., and Berry, L., 1984, "Conservation Potentials, Participation, and Retrofit Choices in the Connecticut Residential Conservation Service (CONN SAVE) Program," ORNL/CON-161, Oak Ridge National Laboratory, Oak Ridge, Tennessee, November.

Berry, L., and Tonn, B., 1984, "Loan Impacts in Northern States Power Home Energy Audit Programs," ORNL/CON-145, Oak Ridge National Laboratory, Oak Ridge, Tennessee, February.

Tonn, B., 1984, "Selection of States for Evaluation of the Residential Conservation Service," ORNL/CON-139, Oak Ridge National Laboratory, Oak Ridge, Tennessee, November.

Tonn, B., 1984, "Data and Information Systems and Decision Making in Large Public Organizations -A Research Agenda," ORNL/TM-9263, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

Lerman, D., Bronfman, B., and Tonn, B., 1983, "Process Evaluation of the Bonneville Power Administration Residential Weatherization Pilot Program," ORNL/CON-138, Oak Ridge National Laboratory, Oak Ridge, Tennessee, October.

Hamblin, D., et al., 1983. "Clinch River Breeder Reactor: An Assessment of Need for Power and Regulatory Issues," ORNL/TM-8892, Oak Ridge National Laboratory, Oak Ridge, Tennessee.

INVITED PRESENTATIONS/PROFESSIONAL MEETING PARTICIPATION

Invited Lecture, 2005. "Living For and With Futures," Budapest Futures Course, Budapest, Hungary, August 25.

Invited Participant, 2004. "Aging Americans: Impacts on Ecology and Environmental Quality Workshop," Environmental Protection Agency, Research Triangle Park, August 10 - August 12.

Lecturer, 2004. "Thinking About the Future: Observations from the Field," 21st Century Lecture Series, World Futures Society Conference, Washington, DC, July 31 - August 2.

Invited Panelist, 2003. "What's in the Tool Box for Effective Evaluation of Federal and State Energy Programs?" International Energy Program Evaluation Conference, Seattle, Washington, August 20-33.

Invited Lecturer, 2002. "Dot Coms and the Future of the Internet," University of Tennessee Alumni Summer College, Knoxville, TN, August 16.

Invited Lecturer, 2002. "Anytown USA in the Year 2050: Glimpses of the Future" Oak Ridge Institute for Continued Learning, Oak Ridge, TN, July 23 and 30.

Invited Participant, 2002. Conference on Estimating the Benefits of DOE's R&D Programs, Arlington, VA, March 4-5.

Invited Participant, 2001. Workshop on Public Participation in Environmental Decision Making, National Research Council, National Academy of Sciences, Washington, DC, December 14.

Invited Speaker, 2001. "Anytown USA in the Year 2050: Glimpses of the Future," City of Franklin/Williamson County, TN Chamber of Commerce, October 30.

Invited Speaker, 2001. "Anytown USA in the Year 2050: Glimpses of the Future," College of Arts and Sciences Pre-Game Showcase. University of Tennessee, Knoxville, October 6.

Invited Lecturer, 2001. Budapest Futures Course, Budapest, Hungary, August 29.

Invited Paper Commentator, 2000. NSF/EPA Workshop on Community Environmental Decision Making, Arlington, VA, May 9.

Invited Presentation, 1999. "The Future of Development and Cultural Diversity," World Futures Studies Federation Conference, Bacolod City, Philippines, Dec. 5-8.

Invited Keynote Speaker, 1999. "Technology for Sustainable Environment: A Futures Perspective," EPA/NSF Workshop on Technology for Sustainable Environment, Arlington, VA, January 21.

Invited Seminar Speaker, 1999. "Overview of Community-based and Decision Making Research at Oak Ridge National Laboratory," Los Alamos National Laboratory, January, 12.

Invited Speaker, 1998. "Community Sustainability Decision Making," National League of Cities Conference, Kansas City, MO. December, 5.

Invited Panelist, 1998. "What Might We Miss" Workshop on Information Technology and Environmental Decision Making, Kennedy School of Government, Harvard University, October, 1-3.

Invited Keynote Speaker, 1998, "Environmental Decision Making in the Face of Uncertainty," Central and Southern Appalachian Workshop, Morgantown, WV, May 28.

Invited Discussant, 1998, "Where Do We Want To Go Tomorrow?" Conference on Computing for the Social Sciences, New Haven, CT, May 22.

Invited Discussant, 1998, "Imprecise Probabilities and Options Pricing," Allied Social Sciences Conference, Chicago, Illinois, January 3.

Invited Speaker, 1997. "How the Role of the Public Works Director Impacts Your Community's Environment," International Public Works Congress and Exposition, Minneapolis, MN, September.

Invited Panelist, 1997. "The Road Ahead," Conference on Computing for the Social Sciences, Walla Walla, Washington, June.

Invited Featured Speaker, 1997. "Global and Electric Power Industry Scenarios," 1997 Energy Utility Symposium *Visions of the Future*," Oklahoma Corporation Commission, Oklahoma City, Oklahoma, June 19-20.

Invited Panelist, 1996. "Future Generations: Caring, Helping, Hoping," *Future Vision: Ideas, Insights, and Strategies*. The Eighth General Assembly of the World Future Society, Washington, D.C. July 14-18.

Invited Participant, 1996. "Symposium on Future-Oriented Government," Honolulu, Hawaii, January 10-12.

Invited Debate Participant, 1995. "Resolved: Information Technology Will Improve the Quality of Life Significantly for Americans in the 21st Century," 1995 Conference on Computing for the Social Sciences, San Diego Super Computing Center, San Diego, California, June 19.

Invited Participant, 1995. National Science Foundation Workshop on Culture, Society and Advanced Information Technology, Washington, D.C., June 1-2.

Invited Participant, 1994. "First International Future Generations, Kyoto Forum," Kyoto, Japan, November 24-26.

Invited Panelist, 1994. "Perspectives on the Information Society and Social Sciences," Conference on Computing for the Social Sciences, University of Maryland, June 1-3.

Invited Discussant, 1994. "The Social Challenge of Rapid Change in the Information Infrastructure: Everything Has Changed But Our Thinking," Conference on Computing for the Social Sciences, University of Maryland, June 1-3.

Invited Presentation., 1994, "Intergenerational Considerations As Seen From A Policy Perspective," presented at the Workshop on Uncertainty and Global Climate Change Research, Knoxville, Tennessee, March, 22-23.

Invited Panelist, 1993. "What Do We Owe Future Generations?" Creating the 21st Century: Rights, Responsibilities, and Actions, World Futures Society Conference, Washington, D.C., June 27 - July 1.

Invited Participant, 1992. "Information Technology and White Collar Productivity Workshop," Institute for Information Studies, Aspen Institute, October.

OTHER PRESENTATIONS

Tonn, B., and Schweitzer, M. 2005. "National Evaluation of the Weatherization Assistance Program," National Weatherization Training Conference, Atlanta, December 14, 2005.

Tonn, B., Conrad, F., and Hemrick, A., 2005. "Cognitive Representations of the Future: Survey Results," 19th World Futures Studies Federation Conference, Budapest, Hungary, August 22.

Tonn, B. 2005. "Human Extinction Scenarios," 19th World Futures Studies Federation Conference, Budapest, Hungary, August 22.

Peretz, J. and Tonn, B. 2004. "Impacts of Policies on Vehicle Miles Traveled in the Great Smoky Mountains National Park," Southeastern Conference for Public Administration, Charlotte, North Carolina, October 2004.

Tonn, B. and Ezzell, T. 2004. "An Assessment of Visioning and Values in Rural Appalachia," American Planning Association's 2004 National Planning Conference, Washington, DC, April 24-28.

Peretz, J., Tonn, B., and Garnmeister, S. 2003. "Air Quality Issues in the Great Smoky Mountains National Park: The Role of Our Transportation Choices," Southeastern Conference for Public Administration, Savannah, Georgia, Oct. 12-14.

Tonn, B. 2002. "Integrated 1000-Year Planning," World Futures Studies Federation Conference, Kure, Japan, Nov. 13-16.

Tonn, B. 2001. "Globalization, Communities, and Futures Perspectives," World Futures Studies Federation Conference, Brasov, Romania, September 5-8.

Tonn, B. 1999. "Constraints to Community Sustainability," National Conference on Environmental Decision Making, Knoxville, TN, April 12-14.

Peretz, J. and Tonn, B. 1999. "Institutional Issues Facing Subnational Decision Makers: Why are These Issues Problematic in Environmental Decision Making?" Southeastern Conference on Public Administration, Pensacola, FL, January 21-23.

Peretz, J., Tonn, B., and Foltz, D. 1998. "Participatory Democracy in Environmental Evolution: Does It Make A Difference in Solid Waste Recycling Programs?" National Conference on Environmental Decision Making, Knoxville, TN, May 4-6.

Tonn, B., English, M., and Travis, C. 1998. "An Environmental Decision-making Framework," National Conference on Environmental Decision Making, Knoxville, TN, May 4-6.

Travis, C., Moore, D., and Tonn, B. 1998. "A Factor Analysis of Elements of Environmental Problems," Southeastern Psychological Association, Mobile, AL, March.

Turner, R. S., Tonn, B., and English, M. 1997. "Environmental Decision Making: A Framework and Institutional and Information Needs," Presentation at Regional Workshop on the Use of Environmental Information Systems for Decision Making, Kuwait Institute for Scientific Research, December 1-3.

Travis, C., Moore, D., and Tonn, B., 1997, "Building A Tool for Environmental Decision Making," Society for Judgment and Decision Making Annual Meeting, Philadelphia, PA, November.

Peretz, J., and Tonn, B., 1997. "Challenges Facing Municipal Solid Waste Recycling Coordinators: Preliminary Results of a National Survey," Southeastern Conference on Public Administration, Knoxville, TN, September.

Tonn, B., 1997. "Community Information Systems: A Discussion Face-to-Face," Conference on Computing for the Social Sciences, Walla Walla, Washington, June.

Tonn, B. and Peretz, J. 1997. "Risks to Environmental Decision-making: Notes from the Field," Risk

Assessment and Policy Association Biennial International Meeting, Alexandria, VA, March.

Tonn, B. 1996. "Public Participation in Environmental Decision-making: Expectations, Constraints, and Process Recommendations," Society for Risk Analysis Annual Meeting, New Orleans, LA, December.

Petrich, C. and Tonn, B., 1996. "Societal Health and Urban Sustainability Indicators," Presented at the APEC Sustainable Cities Workshop, Monterey, California, August 26-28.

Tonn, B. And Conrad, F., 1996, "Elicitation of PC Software Characteristics Using the Internet," Presented at the Conference on Computing for the Social Sciences, Minneapolis, Minnesota, May 13-15.

Tonn, B., 1994, "Uncertainty Protocols," presented at the Workshop on Uncertainty and Global Climate Change Research, Knoxville, Tennessee, March, 22-23.

Participant, Aspen Institute, "Democracy in the Information Age," July 1993.

Tonn, B., Goeltz, R., and Chiang, T.L., 1992, "An Object-based Interviewing System," Conference on Computing for the Social Sciences, Ann Arbor, Michigan, May 4-7. (Also, presented at 1993 American Statistical Association meetings, Ft. Lauderdale, Florida, January 3-5.)

Tonn, B., Russell, M., and Warren, J., 1991, "Estimated Costs of RCRA Corrective Action" Society for Risk Analysis, 1991 Annual Meeting.

Tonn, B., Goeltz, R., and Schmidt, K., 1991, "An Example of Systems Integration for RCRA Policy Analysis," Presented at Advanced Computing and Information Technologies for the Social Sciences, Athens, Georgia, April 8-10.

Tonn, B., 1990, "ARK: An Automated Knowledge Acquisition Tool," Presented at Decision Support Methods for the Electric Power Industry, Electric Power Research Institute, May.

Tonn, B., 1990, "Bonneville Power Administration Communications Alarms Processor Expert System," Presented at Expert Systems Workshop, Program for Strategic Computing and Telecommunications in the Public Sector, Kennedy School of Government, Harvard University, Cambridge, Massachusetts, May.

Tonn, B., 1990, "Uncertainty in Artificial Intelligence," Invited Seminar, AI Department, University of Georgia, Athens, Georgia, February.

Tonn, B., 1986, "The How and Why of Prototyping Expert Systems, Uncertainty in Artificial Intelligence and Expert Systems," AI: The Emerging Technology, May 20-21, Montgomery, Alabama.

Tonn, B., Kunz, D., Barnes, D., and Hosack, G., 1985, "A Micro-Computer Based Expert System Prototype," presented at the Joint National ORSA/TIMS Meeting, Atlanta, Georgia, November.

Barnes, D., Hosack, G., Tonn, B., and Kunz, D., 1985, "Expert Systems and the Navy Budgeting Process," presented at the Joint National ORSA/TIMS Meeting, Atlanta, Georgia, November.

Hirst, E., and Tonn, B., 1985, "Use of Detailed Evaluation Data to Develop a Low Cost Monitoring System:"

The BPA Residential Weatherization Program," Second Annual Conference on Energy Conservation Program Evaluation, Chicago, IL, August.

Travis, C., and Tonn, B., 1985, "Anomalies in Medical Decision Making: The Perception of Risk," presented at the 31st Annual Meeting of the Southeastern Psychological Association, Atlanta, Georgia.
