

JENIFER BUCKLEY

CONTACT

American Association for the Advancement of Science
- Science & Technology Policy Fellow, hosted by US
Environmental Protection Agency, Washington, DC
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EDUCATION

Ph.D., Community, Agriculture, Recreation & Resource Studies, 2013
Michigan State University
University Distinguished Fellow

M.Sc., Ecological Agriculture, 1995
Wageningen University, Wageningen, the Netherlands
Cum laude

B.S., Plant Pathology, 1987
University of Wisconsin–Madison

PROFESSIONAL AND SCHOLARLY POSITIONS

2016–
present **AAAS* Science & Technology Policy Fellow**, hosted by US Environmental Protection Agency – Office of Research & Development – National Homeland Security Research Center, Washington, DC

- Created a program implementation tool to help agencies improve coordination among program partners, reinforce feedback loops in communication, and identify bottlenecks in implementation.
- Piloted the tool on a radiochemical laboratory methods program:
 - Interviewed 21 partners and leads, including federal and state laboratories and incident responders.
 - Recommended practical actions based on findings. Improved outreach by producing concise fact sheets on nine radiochemical methods; completed EPA publication protocols.
 - Aligned analysis with objectives identified in lead office’s strategic research action plan.
- Articulated goals and objectives for each project; developed logic models and work plans; clarified and revised these as needed throughout the projects.
- Incorporated social science into policy research; demonstrated the utility of social science tools for colleagues who are not familiar with them.
- * AAAS = American Association for the Advancement of Science

- 2015–2016 **Jenifer Buckley LLC**, Middleton, Wis.
- Developed and managed projects on contract. Produced scopes of work, managed budgets. Conferred regularly with clients as projects progressed to clarify and revise work as needed.
 - Produced technical materials to assist small food processors.
 - Developed comprehensive 120-page [handbook](#) to assist small food processing business start-ups. On contract with University of Wisconsin–Extension with assistance from the Wisconsin Department of Agriculture, Trade & Consumer Protection.
 - Distilled new federal food safety regulations into key points on 3-page [fact sheet](#).
 - Conducted program evaluation.
 - Designed online survey using ordinal, categorical, and string variables and branching; analyzed results in MS Excel; submitted concise report summarizing key findings and recommendations. On contract with the Southern Minnesota Initiative Foundation in collaboration with Renewing the Countryside.
- 2013–2015 **Business Development Facilitator, Organic Processing Institute**, Middleton, Wis.
- Led development and execution of a 15-session training for organic food processing entrepreneurs. Conducted needs assessment, outlined curriculum, recruited 20 expert practitioners to deliver content, facilitated sessions, developed hybrid in-person/online delivery to 31 students.
 - Conducted formative, process, and summative evaluations of programs using qualitative and quantitative methods: interviews, online surveys, focus group.
 - Created and presented 11 educational workshops on USDA organic regulations for food entrepreneurs, farmers, processors, and resource providers.
 - The Organic Processing Institute closed in 2015.
- 2008–2013 **Doctoral Student and University Distinguished Fellow, Michigan State University**, East Lansing, Mich.
- Initiated and managed research projects: study design, funding, data collection, analysis, reporting.
 - Collaborated with industry and regulators to develop PhD research. Informed regulatory practice to achieve food safety goals while addressing small processor concerns. Shadowed state inspectors.
 - Formed and consulted regularly with stakeholder advisory committee representing food businesses and Michigan Department of Agriculture & Rural Development (MDARD) senior staff.
 - Presented findings and recommendations to practitioner audiences:
 - Delivered invited lectures at 2015 Association of Food & Drug Officials Annual Educational Conference and 2013 MDARD Food & Dairy Division staff training.
 - Developed and facilitated panel sessions featuring small processors who co-presented with state inspectors. One session is available online as a [webinar](#).
 - Published findings in peer-reviewed articles in *Journal of Environmental Health* and *Food Policy*.
 - In dissertation and other research projects, conducted semi-structured interviews (70+), field observations (20+), and focus groups (3). Analyzed data using NVivo

- analytic software.
 - Wrote successful proposals to National Science Foundation and USDA Sustainable Agriculture Research & Education Program to fully fund field work, totaling \$22,940.
- 2001–2008 **Database Coordinator, Domestic Abuse Intervention Programs**, Duluth, Minn.
- Collaborated with interagency network of criminal justice system and victim advocacy representatives to identify and fulfill data, reporting, and program evaluation needs.
 - Designed and managed MS Access database to inform criminal justice system policies and batterer programs. Database included several thousand records and 30 interrelated tables.
- 1995–2002 **Coordinator, Sustainable Farming Association of Minnesota–Lake Superior Chapter**, Carlton, Minn.
- Coordinated grassroots farmer network with a vibrant program of peer-to-peer education and consumer outreach. Collaborated with agricultural, extension, environmental, and other organizations.
 - Led development of successful \$205,100 proposal to University of Minnesota and the Northland Food & Farming Initiative that it funded. Managed budget and contract staff.
 - Directed annual harvest festival attracting 5,000 visitors per year. Managed volunteers, fundraising, and publicity. Balanced budget by improving recordkeeping, increasing fundraising, setting fees, and negotiating expenses.
 - Wrote over \$60,000 in successful grants in addition to routine fundraising.
 - Managed development, funding, and implementation of strategic planning project.

SELECTED PUBLICATIONS

Peer-Reviewed Publications

- 2017 Buckley, Jenifer A., Paul B. Thompson, and Kyle Powys Whyte. "Collingridge's dilemma and the early ethical assessment of emerging technology: The case of nanotechnology enabled biosensors." *Technology in Society* 48: 54–63. <https://doi.org/10.1016/j.techsoc.2016.12.003> (last accessed March 2, 2018).
- 2016 Buckley, Jenifer A. "Interpersonal skills in the practice of food safety inspections: A study of compliance assistance." *Journal of Environmental Health* 79(5): 8–12. <http://www.neha.org/node/58734> (last accessed February 15, 2018).
- 2015 Buckley, Jenifer A. "Food safety regulation and small processing: A case study of interactions between processors and inspectors." *Food Policy* 51: 74–82. <https://doi.org/10.1016/j.foodpol.2014.12.009> (last accessed March 2, 2018).
- 2014 Buckley, Jenifer, H. Christopher Peterson, and Jim Bingen. "The Starting Block: A case study of an incubator kitchen." *International Food & Agribusiness Management Review* 17(1): 163–186. <http://www.ifama.org/resources/Documents/v17i1/Buckley-Peterson-Bingen.pdf> (last accessed March 2, 2018).

- 2013 Buckley, Jenifer, David S. Conner, Colleen Matts, and Michael W. Hamm. "Social relationships and farm-to-institution initiatives: Complexity and scale in local food systems." *Journal of Hunger & Environmental Nutrition* 8(4): 397–412. <http://dx.doi.org/10.1080/19320248.2013.816988> (last accessed February 15, 2018).

Professional and Outreach Documents

- 2017 Buckley, Jenifer and Kathy Hall. Nine technical fact sheets on US Environmental Protection Agency (EPA) rapid radiochemical methods for water samples. Washington, DC: US EPA. Order of authorship on fact sheets varies.
- 2016 Buckley, Jenifer A. and Elena Byrne. "Wisconsin Food Processing Guide: A Handbook for Entrepreneurs and Managers." Madison, Wis.: University of Wisconsin–Extension. <http://learningstore.uwex.edu/Wisconsin-Food-Processing-Guide-P1803.aspx> (last accessed March 2, 2018).
- 2016 Buckley, Jenifer. "The Food Safety Modernization Act – Preventive Controls for Human Food Rule: Introductory Overview for Small Processors in Wisconsin." Fact sheet. <http://jeniferbuckley.com/outreach-instruction/fsma-pc-rule-intro/>.
- 2015 Buckley, Jenifer and H. Christopher Peterson. "Preliminary cost-benefit analysis for urban agriculture." Community and Regional Food Systems Toolkit. Madison, Wis.: University of Wisconsin–Extension. <http://fyi.uwex.edu/foodsystemstoolkit/preliminary-cost-benefit-analysis/> (last accessed February 15, 2018).
- 2015 Association of Food & Drug Officials Resolution 2015-3. "FDA support for research on compliance assistance approaches to food safety inspections in order to enhance FSMA implementation." June 19. <http://afdo.org/Resources/Documents/4-news-and-events/Resolutions%202015/AFDO-Resolution-2015-3-Enhance-FSMA-Implementation.pdf> (last accessed February 15, 2018).
- 2015 *Buckley research findings are subject of:*
Besey, Kevin. "Research shows MDARD inspectors play crucial role in helping businesses to thrive and improve food safety." Lansing, Mich.: Michigan Licensed Beverage Association.
- 2013 Buckley, Jenifer. "Artisan food processors see food safety inspectors as resources." *Michigan Good Food Newsletter* 16: 1–2. http://jeniferbuckley.com/wp-content/uploads/MichGoodFood_Newsletter_Jan_2013.pdf.
- 2011 Buckley, Jenifer. "Food safety regulation forums gather input from farms and small food businesses." *Michigan Food & Farming Systems (MIFFS) Memo* 17(3):11.
- 2011 Buckley, Jenifer, Elaine Brown, and Deepa Iyer. "Maximizing engagement to minimize food safety risk: Improving training and regulatory impacts for small processors, producers, and food entrepreneurs." East Lansing, Mich.: Michigan Food & Farming Systems. <http://jeniferbuckley.com/wp-content/uploads/FoodSafetyForumsReport.pdf>.

- 2005 Contributor: "Consumer information on buying meat direct from farmers." Pp. 21–23 (page numbers at bottom of document) in Jane Grimsbo Jewett and Derrick Braaten, *Local Food: Where to Find It, How to Buy It*. St. Paul, Minn.: Minnesota Institute for Sustainable Agriculture, University of Minnesota.
<http://www.misa.umn.edu/publications/localfoodwheretofindit> (last accessed March 2, 2018).
- 1998–2004 Editor: *Northeastern Minnesota and Northwestern Wisconsin Farm Products Directory* (annual). Carlton, Minn.: Sustainable Farming Association.
- 1996–2002 Editor: *Northeastern Farm & Market Newsletter* (monthly/quarterly). Carlton, Minn.: Sustainable Farming Association.
- 1999 Buckley, Jenifer. "Grass- and forage-based finishing of beef, with consumer testing." Pp. 81–84 in Minnesota Department of Agriculture Energy & Sustainable Agriculture Program (MDA ESAP), *Greenbook '99*. St. Paul, Minn.: Minnesota Department of Agriculture.
<http://www.mda.state.mn.us/Global/MDADocs/protecting/sustainable/greenbook1999/greenbook1999.aspx> (last accessed March 2, 2018).

PRESENTATIONS

Professional and Outreach Presentations

- 2017 **Invited presentation.** "Social science and public policy: Insights and challenges in applying a social lens to policy research." M.E. John Seminar Series, Penn State University Department of Agricultural Economics, Sociology & Education (February 24).
- 2017 **Invited presentation.** "Food safety inspections as opportunities for mutual learning between food entrepreneurs and inspectors." Penn State University Department of Food Science (February 24).
- 2016 **Staff presentation.** "How social interactions shape regulatory inspections, and why it's okay." Brown bag lecture at US Environmental Protection Agency, Washington, DC (December 6).
- 2015 **Invited presentation.** "Compliance assistance in food safety inspections of small-scale food processors in Michigan." Annual Educational Conference, Association of Food & Drug Officials, Indianapolis, Ind. (June 20).
- 2014–2015 **Organic Processing Institute presentations.** Developed and delivered sessions covering aspects of processing organic and/or local food products, including organic certification and labeling requirements, food safety regulations and exemptions, facility selection, and organic ingredient sourcing:
- "Organic Processing in Minnesota" workshops, St. Cloud, Chaska, and Rochester, Minn. (September 21–25, 2015).
 - Wisconsin Local Food Summit, Wisconsin Rapids, Wis. (January 30, 2015).
 - Minnesota Organic Conference, St. Cloud, Minn. (January 9, 2015).

- Midwest Food Processors Association Annual Convention, Wisconsin Dells, Wis. (December 3, 2014).
 - FEAST Tradeshow, Rochester, Minn. (November 3, 2014).
 - Midwest Value-Added Agriculture Conference, Wisconsin Rapids, Wis. (January 23, 2014).
- 2013 **Invited presentation.** “MDARD’s interaction with artisan food and dairy processors.” Annual Training Conference, Michigan Department of Agriculture & Rural Development Food & Dairy Division, Roscommon, Mich. (June 6).
- 2013 **Organizer and facilitator.** Panel sessions comprising Michigan Department of Agriculture & Rural Development inspection staff, small food processors, and resource providers. Panelists spoke to producer audiences about the licensing and inspection process, processor-inspector rapports, and resources for producers.
- Webinar, “Working with Your Food Safety Inspector.” Michigan State University, East Lansing, Mich. (May 13). See Sustainable Agriculture Research & Education Learning Center, <http://www.sare.org/Learning-Center/SARE-Project-Products/North-Central-SARE-Project-Products/Working-With-Your-Food-Safety-Inspector> (last accessed March 2, 2018).
 - Agriculture and Natural Resources Week, Michigan State University, East Lansing, Mich. (March 4).
 - Northern Michigan Small Farm Conference, Grayling, Mich. (January 26).
- 2008 **Presenter.** “Pie in the sky: Bringing the semantics of the local foods movement back to earth.” Agrifood in Action Brown Bag Series, Department of Community, Agriculture, Recreation & Resource Studies, Michigan State University, East Lansing, Mich. (October 10).
- 2002 **Invited plenary session.** “Local food system initiatives in northeastern Minnesota and northwestern Wisconsin.” Annual Conference, Sustainable Farming Association of Minnesota, Northfield, Minn. (February 23).
- 2001 **Presenter.** “The Northland Food & Farming Initiative.” Rural Summit, Duluth, Minn. (July 24).
- 2001 **Invited presentation.** “The Northland Food & Farming Initiative: Lessons in community-participatory project planning.” University of Minnesota Extension–Northeast District Conference, Duluth, Minn. (May 31).

Scholarly Presentations

- 2015 **Selected presentation.** “The craft of food safety inspection: Social interaction and technical accommodation in the coproduction of regulatory outcomes.” Annual Meeting of the Rural Sociological Society, Madison, Wis. (August 8).
- 2015 **Selected roundtable discussion.** Panel organizer, “Publishing scholarly work for stakeholder audiences.” Annual Meetings of the Agriculture, Food & Human Values Society and the Association for the Study of Food & Society, Pittsburgh, Penn. (June 25).

- 2015 **Panelist.** “Breaking barriers, building bridges: Discussing alternatives to the academy for scholars and career seekers in food and nutrition.” Annual Meetings of the Agriculture, Food & Human Values Society and the Association for the Study of Food & Society, Pittsburgh, Penn. (June 25).
- 2014 **Selected presentation.** “Ethnography in agrifood studies: Challenges in fieldwork on the food safety regulation of artisan food processing.” Annual Meetings of the Agriculture, Food & Human Values Society and the Association for the Study of Food & Society, Burlington, Vt. (June 19).
- 2013 **Selected presentation.** “Can food safety regulations serve the interests of artisan processors? A study of inspector-artisan interactions in Michigan.” Annual Meetings of the Agriculture, Food & Human Values Society and the Association for the Study of Food & Society, East Lansing, Mich. (June 21).
- 2013 **Selected presentation.** “Food safety regulation, artisan processing, and policy challenges in a growing agrifood sector: A study of inspector-artisan interactions in Michigan.” Association of American Geographers Annual Meeting, Los Angeles (April 10).
- 2013 **Selected presentation.** “Methodological challenges and surprises in qualitative research: Stay calm, go with the flow, have fun.” MSU Department of Community, Agriculture, Recreation & Resource Studies (CARRS) Graduate Symposium (March 20).
- 2012 **Selected presentation.** “Food safety inspections of artisan food processors in Michigan: The intersection of two social phenomena.” Michigan Sociological Association Annual Meeting, Grand Rapids, Mich. (October 27).
- A similar selected presentation was delivered at the 2012 MSU Department of CARRS Graduate Symposium (March 29).
- 2012 **Poster** (co-authored with Kyle Powys Whyte and Paul B. Thompson). “Early ethical assessment of emerging technologies: A methodology for analyzing proceedings of a workshop on agrifood nanobiosensors.” Gordon Research Conference and Seminar: Science and Technology Policy in Global Context, Waterville Valley, NH (August 4–5).
- 2011 **Selected presentation** (co-authored with H. Christopher Peterson and Jim Bingen). “The Starting Block: A case study of an incubator kitchen.” International Food & Agribusiness Management Association, Annual World Forum and Symposium, Frankfurt, Germany (June 21).
- 2010 **Selected panel.** Co-organizer and presenter, “Listening to the grassroots: Methodological challenges in agrifood studies.” Annual Meetings of the Agriculture, Food & Human Values Society and the Association for the Study of Food & Society, Bloomington, Ind. (June 4).

2010 **Selected presentation** (co-authored with Jim Bingen). "Small-scale local food governance: Questions raised in the case study of an incubator kitchen." Annual Meeting of the Southern Rural Sociology Association, Orlando, Fla. (February 8).

A similar selected presentation was delivered at the 2010 MSU Department of CARRS Graduate Symposium (February 12).

2009 **Selected presentation.** "Food safety in direct-market relationships: Performances, practices and cottage food production laws." Annual Meetings of the Agriculture, Food & Human Values Society and the Association for the Study of Food & Society, State College, Penn. (May 31).

A similar selected presentation was delivered at the 2009 MSU Department of CARRS Graduate Symposium (April 6).

RESEARCH

Dissertation Research

Dissertation: Artisan Food Processing and Food Safety Regulation in Michigan: An Actor-Network Study of Interactions, Interests, and Fluid Boundaries, http://jeniferbuckley.com/wp-content/uploads/Buckley_diss_2013.pdf

- Collaborated with regulators and small processors on research and outreach to foster food business growth. Formed and worked with stakeholder advisory committee comprising regulatory senior staff and food business representatives.
- Designed and conducted qualitative research on food safety inspections using semi-structured interviews (30+), field observations (20+), and focus groups (2). Analyzed data using NVivo analytic software.

Committee: Jim Bingen, Chair
Lawrence Busch (Department of Sociology)
H. Christopher Peterson (Department of Agricultural, Food & Resource Economics)
Paul B. Thompson (Departments of Community Sustainability; Philosophy; and Agricultural, Food & Resource Economics)

Other Research Projects at Michigan State University

2011 Maximizing Engagement to Minimize Food Safety Risk: Improving Training and Regulatory Impacts for Small Processors, Producers, and Food Entrepreneurs

- Managed a collaborative research project that included Michigan Food & Farming Systems, Michigan State University, and the Michigan Department of Agriculture (MDA).
- Led team in writing successful MDA project funding grant.
- Conducted online survey and 6 focus groups of food businesses and producers to identify regulatory concerns and training needs.

- 2011 Community & Regional Food Systems—Building Food Security
- Wrote a practitioners’ introduction to cost-benefit analysis of urban agriculture projects.
 - Project funded by USDA Agriculture & Food Research Initiative.
- 2011 Anticipatory Workshop on Biosensors in the Agrifood Sector
- Analyzed proceedings of expert workshop convened on ethical implications of emerging technologies.
 - Project funded by the National Science Foundation, Award # SES-1055542.
- 2010 Farm to Institution: Guiding Market and Pricing Decisions for Small- and Medium-Scale Farms
- Conducted 24 in-depth interviews with farmers, food distributors, and institutional buyers to identify challenges and indicators of success in farm-to-institution programs in Michigan.
 - Co-facilitated 2 focus group discussions.
 - Project funded by USDA Research, Education & Economics Information System (REEIS).
- 2009–2010 The Starting Block: A Case Study of an Incubator Kitchen
- Conducted 15 semi-structured interviews with staff, entrepreneurial clients, and community partners of a rural business incubator that serves food businesses.
 - Published a [business teaching case](#) based on this study.
- 2009 Research and Education for the Renewal of an Agriculture of the Middle
- Funded by USDA REEIS under project NC-1036, a multistate research project.

TEACHING

- 2017 **Guest lecturer**, “Complex public agencies, complex public interest: Unfolding the layers between an agency’s mission and the publics that it serves.” Course: Science, Technology & Public Policy. Penn State University (March 24).
- 2014 **Coordinator**, Organic Processing Institute’s School for Organic Processing Entrepreneurs (January–April).
- Served as lead staff person in developing 15-week series of sessions using hybrid in-person–online format.
 - Recruited 20 guest speakers; managed communication with speakers and 31 students.
 - Facilitated class discussions.
 - Conducted evaluation, analyzed results, and produced final report.
- 2012 **Guest lecturer**, “Practicum in qualitative analysis using NVivo software.” Course: Research Methods. Michigan State University (October 11).

- 2012 **Course instructor**, Regional Food Products and Processing in Michigan. Michigan State University. <http://jeniferbuckley.com/pubs-resources/food-ag-scholarship/mich-foods-course/>.
- Initiated, created syllabus for, and taught 14-session survey course.
 - Recruited 7 guest speakers and arranged 6 field trips.
 - Led discussions, developed assignments, and evaluated students.
 - Assumed full responsibility for the course.
- 2011 **Guest lecturer**, “Getting started with qualitative data analysis: The basics of using NVivo software.” Course: Research Methods. Michigan State University (October 19).
- 2011 **Guest lecturer**, “Mixed perspectives on chemical agriculture.” Course: Pesticides, People and Politics. Michigan State University (October 3).
- 2009 **Guest lecturer**, “Sustainable farming and local food systems: Lessons from grassroots NGO work.” Course: Community Food and Agricultural Systems. Michigan State University (April 15).

SELECTED GRANTS AND AWARDS

- 2016–2018 **American Association for the Advancement of Science**. Science & Technology Policy Fellowship.
- 2015 **North Central Region Sustainable Agriculture Research & Education (SARE)**. Professional Development Program. Travel scholarship.
- 2012–2014 **National Science Foundation**. Research funding. “Doctoral dissertation research: An actor-network study of artisanal food production and food safety regulation.” Award # SES-1230878. With Jim Bingen. \$13,037.
- 2011–2013 **North Central Region SARE**. Graduate Student Program. Research funding. “Artisanal agrifood processing and food safety regulation: Responding to the concerns of small processors and regulators in Michigan.” Award # GNC 10-134. With Jim Bingen. \$9,903.
- 2008–2013 **University Distinguished Fellowship**. Michigan State University.
- 2008 **Distinguished Service Award**. Sustainable Farming Association of Minnesota–Lake Superior Chapter.
- 2000–2002 **Northeast Minnesota Sustainable Development Partnership**. Project funding. “Northland Food & Farming Initiative.” With David Abazs, Helene Murray, Ken Peterson, David Smith, and Okechukwu Ukaga. \$205,100.
- 1998–2000 **North Central Region SARE**. Research funding. “Strengthening links between meat producers, processors, and consumers.” Award # LNC 98-133. With Alan Ringer and Troy Salzer. \$6,000.

1997–1999 **Minnesota Department of Agriculture–Energy & Sustainable Agriculture Program.** Research funding. “Grass- and forage-based finishing of beef, with consumer testing.” With Tim Malone and Ray Johnson. \$6,000.

LEADERSHIP AND SERVICE ACTIVITIES

2017–present **Co-Chair**, Fellows over Forty Affinity Group, AAAS Science & Technology Policy Fellowship Program.

2016–present **Review Committee**, Agriculture, Food & Human Values Society – Student Research Paper Awards.

2016 **Review Committee**, Wisconsin Department of Agriculture, Trade & Consumer Protection – Specialty Crop Block Grant proposals.

2015–2016 **Manuscript Reviewer**, *Agriculture & Human Values* (2015), *American Anthropologist* (2016), *Food Policy* (2015–2016), *Journal of Rural Studies* (2015).

2014–2016 **Membership and Communications Committee**, Agriculture, Food & Human Values Society.

2014–2015 **Grant Review Committee**, USDA North Central Region Sustainable Agriculture Research & Education – Graduate Student Program.

2014 **Review Panel Member**, “Organic Transition Business *Planner* for Farmers and Food Business Entrepreneurs” – Minnesota Institute for Sustainable Agriculture.

2008–2011 **Officer**, Michigan State University Department of Community, Agriculture, Recreation & Resource Studies (CARRS) Graduate Student Organization.

2010 **Small Business Workgroup Member**, Michigan Department of Agriculture.

2010 **Cottage Foods Workgroup Member**, Michigan Department of Agriculture.

2009–2010 **Policy Committee Member**, Michigan Farmers Market Association.

2009–2010 **Volunteer**, Allen Street Farmers Market, Lansing, Mich. Managed credit card and EBT transactions; directed visitors.

2008–2010 **Organizer**, brown bag meetings of CARRS Ph.D. students.

2004–2008 **Member, Board of Directors**, Sustainable Farming Association of Minnesota–Lake Superior Chapter, Carlton, Minn.

2003–2008 **Co-Founder and Member**, “Zooks Society” specialty food product barter group, Duluth, Minn. (Minnesota Public Radio story: http://news.minnesota.publicradio.org/features/2005/02/15_hemphills_zooks/, last accessed February 15, 2018.)

1997–2001 **Member, Board of Directors**, Whole Foods Cooperative, Duluth, Minn.
President, 1999–2001.

1995–1997 **Member, Board of Directors**, Duluth Community Garden Program, Duluth, Minn.