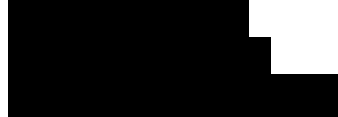


VITA

LAWRENCE MICHAEL BUSCH

I. GENERAL INFORMATION

Department of Sociology
Michigan State University
East Lansing, MI 48824-1111
USA



II. EDUCATIONAL BACKGROUND

9/61 to 2/65: Degree Received: B.A. in History,
Hofstra University, Hempstead, New York 11550
Major: History
Minor: Education

6/70 to 8/71: Degree Received: M.S. in Development Sociology,
Cornell University, Ithaca, New York 14853
Major: Development Sociology
Minor: Organizational Behavior and Social Action

9/72 to 8/74: Degree Received: Ph.D. in Development Sociology,
Cornell University, Ithaca, New York 14853
Major: Development Sociology
Minors: Economic Development and Planning,
Methods of Social Research, Labor Managed Systems

III. EMPLOYMENT RECORD

1/97 to Present: University Distinguished Professor, Department of Sociology, Michigan State University, East Lansing, Michigan 48824-1111.

Research and teaching appointment. Joint appointment in the College of Social Sciences and the Michigan Agricultural Experiment Station.

8/98 to Present: Co-Director, Center for the Study of Standards in Society (<http://cs3.msu.edu>), formerly (Institute for Food and Agricultural Standards).

9/08 to 2/11: Professor of Standards and Society, Centre for Economic and Social Aspects of Genomics, Lancaster University, Lancaster LA1 4YD, United Kingdom.
(<http://www.genomicsnetwork.ac.uk/cesagen/>)

Research appointment in a Centre funded by the Economic and Social Research Council.

2/01 to 5/04: Director, Partnerships for Food Industry Development – Fruits and Vegetables, Michigan State University, East Lansing, Michigan 48824-1111. (<http://pfid.msu.edu>)

11/90 to 12/96: Professor, Department of Sociology, Michigan State University, East Lansing, Michigan 48824-1111.

3/84 to 12/89: Professor, Department of Sociology, University of Kentucky, Lexington, Kentucky 40546-0091.

Research and teaching appointment. Primary appointment in College of Agriculture with secondary appointments in the College of Arts and Sciences and the Department of Behavioral Science, College of Medicine.

7/88 to 6/89: Directeur de Recherches, ORSTOM, Institut Français de Recherche Scientifique pour le Développement en Coopération, Paris, France (now IRD).

4/79 to 3/84: Associate Professor, Department of Sociology, University of Kentucky, Lexington, Kentucky.

8/74 to 4/79: Assistant Professor, Department of Sociology, University of Kentucky, Lexington, Kentucky.

9/72 to 6/74: Teaching Assistant, Department of Rural Sociology, Cornell University, Ithaca, New York 14850.

8/71 to 8/72: Research Associate, Department of Rural Sociology, Cornell University, Ithaca, New York 14850.

6/70 to 8/71: Teaching Assistant, Department of Rural Sociology, Cornell University, Ithaca, New York 14850.

8/68 to 6/70: VISTA Supervisor, Community Action Council, Inc., Box 608, Rose Hill, North Carolina 28458.

1/67 to 7/68: Peace Corps Volunteer, Lomé, Togo.

2/65 to 11/66: Peace Corps Volunteer, Labé, Guinea.

IV. COURSES TAUGHT

Classical Sociological Theory
Principles of Sociological Theory
Technology and Social Change
Work and Alienation in American Society
Problems of Development in West Africa
Introductory Rural Sociology
Science, Agriculture, and Development
The Integration of Theory and Research
European Theory in Transition
Human Structures (Undergraduate Honors)
Science and Agricultural Commodity Production
Agricultural Structure and Food Systems
Rural Sociology
Science and Technology (graduate)
Science, Technology and Society (undergraduate)
Neoliberalism and the Transformation of Contemporary Society

V. SELECTED DOCTORAL DISSERTATIONS DIRECTED

- Sachs, C. 1981. Women in Agricultural Production.
- Bonanno, A. 1984. The Persistence of Small Farms: The Case of Southern Italy.
- Clearfield, F. 1985. The Trilateral Commission: Exercising its Global Influence.
- Dale, C. 1985. From Household Laborers to Millhands: A Study of Women in the Transition to Capitalism in Antebellum New England.
- Marcotte, P. 1987. Farming Systems Research as a Method for Introducing Sorghum in the Dominican Republic.
- Kusha, H. 1989. Social Justice: From the Islamic World-System to the European World Economy.
- Moraga-Rojel, J. 1989. Science, Technology, Socioeconomic and Political Forces in the Shaping of Chilean Agricultural Research.
- Silva, J. de S. 1989. Science and the Changing Nature of the Struggle over Plant Genetic Resources.
- Deo, S. 1990. Dependency and Development in India: A Study of Development Planning in Historical Perspective.
- Tanaka, K. 1997. Negotiating the Uniformity of a Commodity: The Case of the Rapeseed Subsector in the Peoples' Republic of China.
- Skladany, M. 1999. Research and Development in Aquaculture Biotechnology: An Approach and Interpretation from the Sociology of Scientific Knowledge.
- Middendorf, G. 2001. Development Narratives: Weaving Together the Material, the Social and the Discursive In a Case Study of Panamanian Development Policy
- Ransom, Elizabeth. 2003. Setting the Standard: Competing Values in the South African Red Meat Industry.
- Siyengo, Andile. 2004. Sweet Oranges, Uncertain Markets, And Bitter Losses: A Study of Small Scale Citrus Farming in the Eastern Cape, South Africa.

- Mascarenhas, Michael. 2005. Where the Waters Divide: Neoliberalism, Environmental Justice, and Being Indigenous.
- Hatanaka, Maki. 2006. Producing Sustainable Shrimp: Third Party Certification in the Global South.
- Bain, Carmen. 2007. Reconciling Competing Values for 'Corporate Social Responsibility:' EurepGAP Standards and the Chilean Export Fruit Sector.
- Konefal, Jason. 2007. Saving The Oceans Via The Market: Social Movements in the Marketplace.

Service on more than 60 other Masters and Doctoral Committees.

VI. POST-DOCTORAL AND VISITING SCHOLARS DIRECTED

- Edmond Oasa, Ph.D., Political Science, University of Hawaii, 1983-1984.
- Michael Hansen, Ph.D., Agroecology, University of Michigan, 1983-1985.
- Norberto Muniz, Ph.D., Visiting Fulbright Scholar, University of Vicosa, Brazil, 1985-1986.
- Yvon Chatelin, Ph.D., Visiting Scholar, ORSTOM, Paris, France, 1986-1988.
- Åsa Gornitzka, M.A., Political Science, University of Oslo, 1992.
- Ivan Sergio Freire de Souza, Ph.D., Researcher, EMBRAPA, Brasilia, 1995-1996.
- Maria João Canadas, Technical University of Lisbon, 1995.
- Aurore Josse, Ecole Nationale Supérieure Agronomique de Montpellier, 1997.
- Brady Deaton, Ph.D., Research Associate, IFAS, 2002-2004
- Dawn Coppin, Ph.D., Research Associate, IFAS, 2002-2004
- John Stone, Ph.D., Research Associate, IFAS, 2003-2008
- Deepa Thiagarajan, Research Associate, IFAS, 2003-2006
- Gabriela Pechlaner, Fellow, Social Sciences and Humanities Research Council (Canada), 2007-2009

VII. OTHER TEACHING ACTIVITIES

Organizer, Two-week national faculty/administrator training workshop on "Ethical Aspects of Food, Agriculture, and Natural Resource Policy," Lexington, June, 1987.

Facilitator, International Workshop sponsored by the Agency for International Development on "Agricultural Universities for the Twenty-First Century," Reston, Virginia, October, 1988.

Co-Organizer, Workshop on Customs Law and the Changing Global Agrifood System, Economic Community of West African States (ECOWAS), Abuja, Nigeria, May, 2002.

VIII. GRANTS

Co-Principal Investigator, "Anticipatory Workshop on NanoBioSensors in the Agrifood Sector," National Science Foundation, 2010, \$50k.

Principal Investigator, “Doctoral Dissertation Research: SustainabilityTea: Shaping Sustainability in Tanzanian Tea Production,” National Science Foundation, 2009, \$13,000.

Co-Principal Investigator, “Public Perceptions of Agrifood Nanotechnologies: Using Extension to Assess and Link Stakeholder Knowledge with Public Policies,” National Research Initiative, US Department of Agriculture, 2008, \$250k.

Principal Investigator, “Symposium on Certification for Food Safety and Traceability,” Economic Research Service, US Department of Agriculture, 2007, \$25,000.

Principal Investigator, “Workshop on Agrifood Nanotechnology.” French Consulate of Chicago, 2007, \$12,000.

Principal Investigator, “Third Party Certification in Food and Agriculture: A Study in Values and Science,” National Science Foundation, 2004-2007, \$250k.

Co-Principal Investigator, “Building Capacity for Social and Ethical Research and Education in Agrifood Nanotechnology,” National Science Foundation, 2004-2008, \$1.72 million.

Principal Investigator, “The Relationship of Third Party Certification to Sanitary/ Phytosanitary Measures and the International Agri-Food Trade,” AID, RAISE SPS IQC, 2004-2005, \$104,000.

Co-Principal Investigator, “The Role of Third Party Certification in Food Safety in China,” Foreign Agricultural Service, USDA, 2005-2007, \$45,000.

Principal Investigator, “Study of the University of California – Novartis Agreement,” University of California, 2002-2004, \$225,000.

Principal Investigator, “Societal Dimensions of Food and Agricultural Standards: A Training Program,” National Science Foundation, 2001-2004, \$270k.

Project Director, “Partnerships in Food Industry Development – Fruits and Vegetables.” US Agency for International Development, 2000-2004, \$2 million. Ghana “buy-in,” 2002-2004, \$2.3 million.

Principal Investigator, “Support for an International Workshop on Markets, Rights and Equity: Food and Agricultural Standards for a Shrinking World,” German Marshall Foundation, 1999, \$21K.

Principal Investigator, “Support for an International Workshop on Markets, Rights and Equity: Food and Agricultural Standards for a Shrinking World,” Farm Foundation, 1999, \$10K.

Principal Investigator, “Making the Grade: Science and Values in Agricultural Grades and Standards,” National Science Foundation, 1998-2000, \$408K.

Principal Investigator, "Engaging Local Community Food System CBOs in Dialogue," W. K. Kellogg Foundation, 1998, \$15K.

Co-Principal Investigator, "Formulating Agricultural Research Policy in a Changing Context: Experiences of Institutional Change in Latin America." International Service for National Agricultural Research, 1997-98, \$10K.

Principal Investigator, "Networks of Development." National Science Foundation, Professional Development Fellowship, 1996-1997, \$56K.

Principal Investigator, "Doctoral Dissertation Research: Negotiating the Uniformity of a Commodity--The Case of Rapeseed in the People's Republic of China.," Ethics and Values Studies, National Science Foundation, 1995-96, \$10K.

Principal Investigator, "The New Agricultural Biotechnologies: Strategies for Agricultural Cooperatives." Cooperative Services, Rural Development Administration, USDA, 1994-1996, \$91K + \$15K.

Principal Investigator, "Science in the Negotiation of Quality in Agricultural Subsectors." Ethics and Values Studies, National Science Foundation, 1992-1996, \$161K.

Principal Investigator, "Organization and Structure of National Agricultural Research Systems." International Service for National Agricultural Research, 1992-1993, \$22K.

Principal Investigator, "The Impact of Oilseed Production and Consumption on Biodiversity." National Science Foundation, Special Competition on Conservation Biology, 1992-93, \$60K.

Principal Investigator, "A Strategic Analysis of Technical Change in a Commodity Subsector: The Case of Canola." Embassy of Canada, 1992, \$4.5K.

Principal Investigator, development of curricula and course materials concerned with "Ethical Aspects of Food, Agriculture, and Natural Resource Policy," USDA, Office of Higher Education Programs, 1987-1988, \$40K.

Principal Investigator, "Ethics and Values in the Use and Maintenance of Plant Germplasm," National Science Foundation and Cooperative State Research Service, 1987-1989, \$125K.

Co-Principal Investigator, "Biotechnology and Agricultural Cooperatives," Agricultural Cooperative Service, USDA, 1985-1987, \$43K.

Principal Investigator, "The Agricultural Scientific Enterprise," USDA, 1984-1985, \$23K.

Principal Investigator, "Ethics and Values in the Agricultural Sciences," National Science Foundation, 1983-1985, \$160K.

Principal Investigator, "Agricultural Research, Food Security, and Equity," Ford Foundation, 1981-1983, \$90K.

Principal Investigator, "The Relationship of Agricultural Research and Development to Selected Socioeconomic Changes in the Farm Sector," National Science Foundation, 1981-1983, \$148K.
Principal Investigator, "Agricultural Research and Extension Policy Research Planning Grant," Ford Foundation, 1983, \$25K.

Co-Principal Investigator, "Sociocultural Constraints in the Production of Grain Sorghum/Pearl Millet in Less Developed Countries," U.S. Agency for International Development, 1979-1985, ca. \$1.5 million.

Principal Investigator, Mini-grant for Instructional Improvement, University of Kentucky, 1976.

Summer Traineeship, National Science Foundation, Summer, 1971.

IX. HONORS AND AWARDS

Doctor *Honoris Causa*, Technical University of Lisbon, 2009.

Elected Member, Académie d'Agriculture de France, 2008-present.

Visiting Professor, Graduate School of the Chinese Academy of Agricultural Sciences, 2006-present.

Ralph Smuckler Award for Advancing International Studies, 2004.

Chevalier de l'Ordre du Mérite Agricole, 2001-present.

Jury Member, Slow Food Prize, Bologna and Turin, Italy, October, 2000.

Fellow, American Association for the Advancement of Science, 1993-present.

Award for Professional Excellence as exemplified by Quality of Communication, American Agricultural Economics Association, 1992.

E. A. Southee Travelling Scholarship, University of Western Sydney, 1991.

Award for Excellence in Research, Rural Sociological Society, August, 1990.

Thomas Poe Cooper Award, for outstanding research in agriculture, April, 1988.

Certificate of Appreciation, outstanding service in co-chairing the design and conduct of a national workshop on "Ethical Aspects of Food, Agriculture, and Natural Resource Policy." USDA, June 26, 1987.

X. BOOKS

1. Busch, L., ed. 1981. *Science and Agricultural Development*. Montclair, New Jersey: Allanheld, Osmun and Co. This volume developed out of a graduate seminar. My contributions include: "Sources of Influence on Problem Choice in the Agricultural Sciences: The 'New Atlantis' Revisited" (first presented as a paper at the Rural Sociological Society meetings, Burlington, 1979, with W. B. Lacy), and "The Agricultural Sciences and the Modern World System" (with Carolyn Sachs).
2. Busch, L. and W. B. Lacy. 1983. *Science, Agriculture, and the Politics of Research*. Boulder, Colorado: Westview Press. (Rural Studies Series of the Rural Sociological Society.)
3. Busch, L. and W. B. Lacy, eds. 1984. *Food Security in the United States*. Boulder, Colorado: Westview Press. My contributions include "What Does Food Security Mean?" and "The Role of Agricultural Research for Food Security" (both with W. B. Lacy).
4. Busch, L., and W. B. Lacy, eds. 1986. *The Agricultural Scientific Enterprise, A System in Transition*. Boulder, Colorado: Westview Press. (Rural Studies Series of the Rural Sociological Society.)
5. Busch, L., W. B. Lacy, J. Burkhardt, and L. R. Lacy. 1991. *Plants, Power and Profit: Social, Economic, and Ethical Consequences of the New Biotechnologies*. Cambridge, MA and Oxford: Basil Blackwell.
6. Friedland, W. H., L. Busch, F. H. Buttel, and A. Rudy, eds. 1991. *Toward a New Political Economy of Agriculture*. Boulder, CO: Westview Press.
7. Bonanno, A., L. Busch, W. Friedland, L. Gouveia, and E. Mingione, eds. 1994. *From Columbus to Conagra: The Globalization of Agriculture*. Lawrence: University of Kansas Press.
8. Busch, L.; W. B. Lacy; J. Burkhardt; D. Hemken; J. Moraga-Rojel; J. Souza Silva; and T. Koponen. 1995. *Making Nature, Shaping Culture: Plant Biodiversity in Global Context*. Lincoln: University of Nebraska Press.
9. Busch, L. 2000. *The Eclipse of Morality: Science, State and Market*. Hawthorne, NY: Aldine DeGruyter.
10. Bingen, J. and L. Busch, eds.. 2006. *Agricultural Standards: The Shape Of The Global Food And Fiber System*. Dordrecht: Springer. My contributions include L. Busch and J. Bingen, "Introduction: A New World of Standards," pp. 3-28, M. Salazar, J. Miller, L. Busch, and M. Mascarenhas, "The Indivisibility of Science, Policy and Ethics: Starlink™ Corn and the Making of Standards," pp. 111-124, I. S. F. De Sousa and L. Busch, "Standards and State-Building: The Construction of Soybean Standards in Brazil," pp. 125-136, L. Busch, E. Ransom, T. Mckee, G. Middendorf, and J. Chesebro, "Paradoxes Of Innovation: Standards and Technical

Change in the Transformation of the US Soybean Industry,” pp.137-156, J. Bingen and L. Busch, “Shaping A Policy And Research Agenda,” pp.245-250.

11. Rudy, A.P.; D. Coppin, J. Konefal, B.T. Shaw, T. Ten Eyck, C. Harris, and L. Busch. 2007. *Universities in the Age of Corporate Science: The UC Berkeley–Novartis Controversy*. Philadelphia: Temple University Press.

12. Busch, L. *Standards: Recipes for Reality*. 2011. Cambridge, MA: MIT Press.

XI. JOURNAL ARTICLES

1. Francis, J. D., and L. Busch. 1975. "What We Now Know About 'I Don't Knows'," *Public Opinion Quarterly*, 39:207-218.

2. Busch, L. 1976. "A Tentative Guide to Constructing the Future: Self-Conscious Millenarianism," *Sociological Practice*, 1:27-39.

3. Busch, L., and C. Dale. 1978. "The Changing Distribution of Physicians," *Socioeconomic Planning Sciences*, 12:167-176.

4. Busch, L. 1978. "The Social Nature of Perception and Knowledge: Two Teaching Aids," *Teaching Sociology*, 5:445-450.

5. Busch, L. 1978. "Understanding Understanding: Two Views of Communication," *Rural Sociology*, 43:450-474. (Paper presented at Rural Sociological Society meetings, Madison, Wisconsin, 1977.)

6. Busch, L. 1978. "Carving Up the Social World: The Impact of Spatial Units on Research Results," *Sociological Focus*, 11:289-299.

7. Ames, Glenn C. W., and L. Busch. 1979. "Agricultural and Institutional Development in the Sahelian Countries of West Africa: A Real Challenge in Technical Cooperation," *Agricultural Administration*, 6:199-210.

8. Busch, L. 1979. "Thomas Kuhn and Sociology: A Reappraisal," *Sociological Forum*, 2:82-92. (Paper presented at a roundtable discussion, annual meeting of the American Sociological Association, New York, 1976.)

9. Busch, L. 1980. "Structure and Negotiation in the Agricultural Sciences," *Rural Sociology*, 45:26-48.

10. Busch, L. 1980. "Ricerca Scientifica in Agricoltura e Sviluppo Rurale/Urbano," *Agricoltura E Lotta Di Classe*, 9:54-63. (Paper presented at Ninth World Congress of Sociology, Uppsala, Sweden, 1978.)

11. Lacy, W. B., K. E. Pigg, and L. Busch. 1980. "Learning Styles in Adult Education: A Study of County Extension Agents," *Adult Education*, 30:233-244.
12. Lacy, W. B., K. E. Pigg, and L. Busch. 1980. "Clients, Colleagues, and Colleges: Perceived Influences on Extension Agents," *Rural Sociology*, 45:469-482. (Paper presented at the Rural Sociological Society meetings, Burlington, Vermont.)
13. Lacy, W. B., and L. Busch. 1982. "Guardians of Science: Professional Journals in the Agricultural Sciences," *Rural Sociology*, 47:429-448. (Paper presented at the Rural Sociological Society meetings, Ithaca, New York.)
14. Busch, L. 1982. "History, Negotiation, and Structure in the Agricultural Sciences," *Urban Life*, 11:368-384.
15. Lacy, W. B., and L. Busch. 1983. "Informal Scientific Communication in the Agricultural Sciences," *Information Processing and Management*, 19:193-202.
16. Busch, L., W. B. Lacy, and C. Sachs. 1983. "Perceived Criteria for Problem Choice in the Agricultural Sciences," *Social Forces*, 62:190-200. (Paper presented at Fifth World Congress of Rural Sociology, Mexico City.)
17. Busch, L. 1984. "Science, Technology, Agriculture, and Everyday Life," *Annual Review of Rural Sociology and Development*, 1:289-314. (Paper presented at the Rural Sociological Society meetings, Lexington, Kentucky.)
18. Busch, L., and W. B. Lacy. 1984. "Sorghum Research and Human Values," *Agricultural Administration*, 15:205-222. (Also published in Portuguese as "A Pesquisa Sobre o Sorgo e os Valores Humanos," *Cadernos de Difusão de Tecnologia* 7(1-3):79-97.) (Paper presented at the Tenth World Congress of Sociology, Mexico City.)
19. Swanson, L., and L. Busch. 1985. "A Part-Time Farming Model Reconsidered: A Critique of a POET Model," *Rural Sociology*, 50(Fall):427-436.
20. Hansen, M., L. Busch, J. Burkhardt, and W. B. Lacy. 1986. "Plant Breeding and the New Biotechnologies," *BioScience*, 34(January):29-39.
21. Busch, L., and W. B. Lacy. 1987. "Biotehnologija in Prestrukturiranje Svetovne Ureditve Hrane," *Sodobno Kmetijstvo (Modern Agriculture)*, 20(7-8):305-308.
22. Burkhardt, J.; L. Busch; and W. B. Lacy. 1988. "The Ethics of Germplasm," *Diversity*, 13:25-27.
23. Buttel, F. H., and L. Busch. 1988. "The Public Agricultural Research System at the Crossroads," *Agricultural History*, 62(2):303-324.

24. Lacy, W. B.; L. R. Lacy; and L. Busch. 1988. "Agricultural Biotechnology Research: Practices, Consequences, and Policy Recommendations," *Agriculture and Human Values*, 5(3): 3-14.
25. Lacy, W. B., and L. Busch. 1989. "Biotechnology: Challenge and Opportunity for Agricultural Cooperatives," *Policy Studies Journal*, 17(Fall):203-214.
26. Busch, L.; W. B. Lacy; and A. Bonnano. 1989. "Science, Technology, and the Restructuring of Agriculture," *Sociologia Ruralis*, 29(2):118-130. Also published in Spanish as "Ciencia, Tecnología y Reestructuración de la Agricultura," *Agricultura y Sociedad*, 53(4):73-103. (Paper presented at the World Congress of Rural Sociology, Bologna, Italy, 1988).
27. Deo, S.; J. Silva; L. Busch; W. B. Lacy; and N. Mohseni. 1989. "Agricultural Biotechnology in India and Brazil: Creating New Technological Dependencies," *International Journal of Comparative Sociology*, 26(3-4): 217-234.
28. Busch, L. 1989. "Irony, Tragedy, and Temporality in Agricultural Systems, or How Values and Systems are Related," *Agriculture and Human Values*, 6(4):4-11. (Presidential Address to the Society for Agriculture, Food, and Human Values, October, 1989.)
29. Busch, L. 1991. "Risk, Values, and Food Biotechnology," *Food Technology*, 45(April): 96, 98, 100-101. (Invited paper presented at the annual meetings of the Institute of Food Technologists, Anaheim, California, June, 1990.)
30. Busch, L. 1991. "Manufacturing Plants: Notes on the Culture of Nature and the Nature of Culture," *International Journal of Sociology of Agriculture and Food*. I:105-115. Reprinted in Spanish as "La Fabricación de plantas. Notas sobre la Cultura de la Naturaleza y la Naturaleza de la Cultura," *Agricultura y Sociedad* 60(July-September): 119-140.
31. Bawden, R., L. Busch and A. Gagni. 1991. "The Agricultural University for the Twenty-First Century," *Impact of Science on Society*. 164: 353-366. (Paper presented at workshop on Agricultural Universities for the Twenty-First Century, Reston, Virginia, October, 1988.)
32. Busch, L. 1992. "Metatheories and Better Theories: A Reply to Ruttan," *International Journal of the Sociology of Agriculture and Food*. 2: 44-49.
33. Gaillard, J. and L.. Busch. 1993. "French and American Agricultural Science for the Third World," *Science and Public Policy*. 20(August): 222-234.
34. Busch, L.; V. Gunter; T. Mentele; M. Tachikawa; and K. Tanaka. 1994. "Socializing Nature: Technoscience and the Transformation of Rapeseed into Canola," *Crop Science*. 34:607-614.
35. Juska, A. and L. Busch. 1994. "The Production of Knowledge and the Production of Commodities: The Case of Rapeseed Technoscience," *Rural Sociology*. 59(4): 581-597. (Paper presented at the XIIIth World Congress of Sociology, Bielefeld, Germany).

36. Busch, L. 1995. "Eight Reasons Why Patents Should Not be Extended to Plants and Animals," *Biotechnology and Development Monitor*. 24 (September):24.
37. Busch, L. and K. Tanaka. 1996. "Rites of Passage: Constructing Quality in a Commodity Subsector." *Science, Technology and Human Values*. 21(1): 3-27.
38. Busch, L. 1996. "Bringing Nature Back In," *Centennial Review*. 30(6): 491-50. (Keynote address to the Michigan Sociological Association. Kalamazoo, October, 1994.)
39. Juska, A., L. Busch, and Wu, F.-H. 1996. "Producing Genetic Diversity in Crop Plants: The Case of Canadian Rapeseed, 1954-1991," *Journal of Sustainable Agriculture*. 9(4): 5-24.
40. Middendorf, G. and L. Busch. 1997. "Inquiry for the Public Good: Citizen Participation in Agricultural Research," *Agriculture and Human Values*. 14(1): 47-57.
41. Juska, A., L. Busch and K. Tanaka. 1997. "The Blackleg Epidemic in Canadian Rapeseed as a 'Normal Agricultural Accident'." *Ecological Applications*. 7(4): 1350-1356.
42. Busch, L. and A. Juska. 1997. "Beyond Political Economy: Actor Networks and the Globalization of Agriculture." *Review of International Political Economy*, 4(4): 688-708.
43. Sousa, I. S. F. and L. Busch. 1998. "Networks and Agricultural Development: The Case of Soybean Production and Consumption in Brazil." *Rural Sociology*. 63(3): 349-371.
44. Middendorf, G., M. Skladany, E. Ransom and L. Busch. 1998. "The New Agricultural Biotechnologies: The Struggle for Democratic Choice." *Monthly Review*. 50(3): 85-96. (Reprinted in C. M. Counihan, ed., 2002. *Food in the USA: A Reader*. New York: Routledge.)
45. Busch, L. 1999. "Beyond Politics: Rethinking the Future of Democracy." *Rural Sociology*. 64(1): 2-17. (Presidential Address to the annual meetings of the Rural Sociological Society, Portland, OR, August, 1998.)
46. K. Tanaka, A. Juska and L. Busch. 1999. "Globalization of Agricultural Production and Research: the Case of the Rapeseed Subsector," *Sociologia Ruralis*. 39(1): 54-77.
47. Reardon, T., J-M. Codron, L. Busch, J. Bingen and C. Harris. 1999. "Global change in agrifood grades and standards: agribusiness strategic responses in developing countries," *International Food and Agribusiness Management Review*. 2(3-4): 421-435.
48. Busch, L. 2000. "The Moral Economy of Grades and Standards," *Journal of Rural Studies*, 16:273-283.
49. Busch, L. 2000. "Democracia, Sistema Global de Alimentos e o Futuro da Sociologia Rural," *Teoria & Sociedade (Brazil)*. 6(October): 245-259.

50. Codron, J-M., Sterns, P., and L. Busch. 2000. "Questions de Normes Agro-Alimentaires dans le Contexte de Globalisation," *Cahiers d'Economie et Sociologie Rurales*. 55-56: 45-51.
51. Busch, L. 2001. "Témerité Américaine et Prudence Européenne?" *La Recherche*. 339 (February): 19-23. (Also published in Spanish as "Los Americanos y la Comunidad Europea," *Mundo Científico* 222: 29-34.)
52. Busch, L. 2001. "Assumptions about Biotechnology and Agriculture." *Detroit College of Law Journal of International Law*. 10 (1): 57-61.
53. Busch, L. 2002. "The Homeletics of Risk," *Journal of Agricultural and Environmental Ethics*. 15: 17-29.
54. Sterns, P. A. and L. Busch. 2002. "Standard Setting in the African Horticultural Export Market: A Bottom-Up or Top-Down Approach?" *Journal of Economic Issues* 36 (2): 527-537.
55. Tanaka, K. and L. Busch. 2003. "Standardization as a Means for Globalizing a Commodity: The Case of Rapeseed in China." *Rural Sociology*. 68(1): 25-45.
56. Yamaguchi, T., C. Harris, and L. Busch. 2003. "Agrifood Biotechnology Discourse in India," *Science, Technology, and Society* 8(1): 47-72.
57. Busch, L. 2003. "Virgil, Vigilance, and Voice," *Journal of Agricultural and Environmental Ethics* 16: 459-477.
58. Busch, L. and C. Bain. 2004. "New! Improved? The Transformation of the Global Agrifood System." *Rural Sociology*. 69(3): 321-346.
59. D. Winickoff, Jasanoff, S., R. Grove-White, L. Busch, and B. Wynne. 2005. "Adjudicating the GM Food Wars: Science, Risk, and Democracy in World Trade Law." *The Yale Journal of International Law*. 30 (1): 81-123.
60. Hatanaka, M., C. Bain, and L. Busch. 2005. "Third-Party Certification in The Global Agrifood System," *Food Policy* 30: 354-369.
61. Busch, L. 2005. "Commentary on 'Ever Since Hightower: The Politics of Agricultural Research Activism in the Molecular Age,'" *Agriculture and Human Values* 22: 285-288.
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52. Konefal, J. and L. Busch. (2006) "Survey finds standards, testing, IP, and certification critical for non-GMO production," Non-GMO Report 6 (October): 6-8.

XIV. SELECTED INVITED PAPERS

"Decision Influences on Agricultural Scientists." Invited paper presented at the meetings of the Experiment Station Committee on Organization and Policy, Lexington, 1980.

"A Sociological and Functional Profile of Agricultural Scientists." Invited paper presented at the meetings of the Northeast Regional Experiment Station Directors Association, New Brunswick, NJ, 1980.

"How Scientists Work: Problem Choice in the Agricultural Sciences." Invited paper presented at the Farming Systems Research Seminar Series, Kansas State University, October, 1981.

"The Sociology and Politics of Agricultural Research." Invited paper presented at the Agricultural Research Policy Seminar, St. Paul, Minnesota, April, 1985; April, 1984; and June, 1983.

"The Socioeconomic Impact of Plant Breeding." Invited paper presented at the annual meetings of the Agriculture Institute of Canada, Charlottetown, Prince Edward Island, 1985.

"Agricultural Research: An Instrumental Approach." Invited paper presented at the Agriculture and the Liberal Arts Faculty Conference, Kansas City, Missouri, 1985.

"Food Security: What Does it Mean for Tanzania?" Invited paper presented at a UNICEF Workshop on Food Security, Mikumi, Tanzania, 1985.

"Evaluating Agricultural Research in Less Developed Countries." Invited paper presented at a special seminar, USAID, Washington, D.C., July, 1985.

"L'Evaluation des Organismes de Recherche Agricole dans les Pays en Voie de Développement." Invited paper presented at a seminar at the Institut International d'Administration Public, Paris, October, 1986.

"Public Agricultural Research at the Crossroads." Invited paper presented as part of the Biology and Society seminar series, Cornell University, Ithaca, New York, April, 1987.

"The Cooperative Role in the Biotechnology Revolution." Invited paper presented at the Second International Symposium: Cooperative Chief Executive Officers, Williamsburg, Virginia, May, 1987.

"Biotechnology and the Third World." Invited paper presented as part of the Food, Agriculture, and Society Project guest speaker series, Pennsylvania State University, State College, Pennsylvania, September, 1987.

"The Politics of Agricultural Research." Invited paper presented as part of the GTE lecture series, California Polytechnical State University, San Luis Obispo, April, 1988.

"La Recherche sur la Recherche en Agriculture." Invited paper presented at the Ecole des Mines, Paris, February, 1989.

"Higher Agricultural Education in Asia and the Near East." Invited paper presented at the Asia and Near East Bureau (AID) Agriculture and Rural Development Officers' Conference, Rabat, Morocco, February, 1989.

"State and Civil Society in Agricultural Science and Technology." Invited paper presented as part of the Rural Studies Research Centre Seminar Series, University College, London, March, 1989.

"Improving Agricultural Universities in Developing Nations." Invited paper presented at the International Service for National Agricultural Research (ISNAR), The Hague, March, 1989.

"Biotechnology and the Future of World Agriculture." Invited paper presented to the Graduate School of Technical Engineers, Ljubljana, Yugoslavia, April, 1989.

"Commodity Production in American Agriculture." Invited paper presented to the Society of Agricultural Engineers, Ljubljana, Yugoslavia, April, 1989.

"Les Universités Agricoles et le Développement." Invited paper presented at a seminar on Pratiques et Politiques Scientifiques, Bondy, France, May, 1989.

"Culture et Agriculture." Invited paper presented at the Colloquium on Patrimoine Génétique et Droits de l'Humanité, Paris, France, October, 1989.

"Should we try to limit the development of new technologies that might prove economically and socially disruptive?" Invited paper presented at the Luther Pickerel Agricultural Policy Seminar, Plymouth, Minnesota, November, 1989.

"Biotechnology: Confronting the Social and Ethical Issues." Invited paper presented at the Minnesota Crops and Soils Planning Conference, St. Paul, January, 1990.

"Science, Technology, and Agricultural Subsector Development." Invited paper presented at a Workshop on Subsector Analysis and Microenterprise Development, Gemini Project, USAID, Washington, DC, November, 1990. Also given at Ohio State University, February, 1991, and University of Arizona, April, 1991.

"Science and Technology as Social and Environmental Concerns." Invited paper presented at the annual meetings of the North Central Council of Administrative Heads of Agriculture, Kansas City, Missouri, November, 1990.

"How Research Shapes Agriculture and the Potential of the NRI." Invited paper presented at a public meeting, The National Research Initiative: Shaping the Future of Agriculture, Columbus, Nebraska, March, 1991.

"Agricultural Technology: Ethical Aspects of Technological Development and Use." Invited paper presented at a symposium on Who Gets What? Ethical Issues in Funding Technological Research, University of Alabama at Huntsville and Alabama Humanities Foundation, Huntsville, April, 1991.

"Tending the Garden: Making Nature Together Responsibly." Invited paper presented at the Hawkesbury College of Agriculture Centennial, Richmond, Australia, October, 1991.

"Prometheus Critiqued: Institutions, Policies, and Technoscience." Invited paper presented at the East-West Center, Honolulu, Hawaii, October, 1991.

"The Debates in Biotechnology for the Next Decade." Invited paper presented to the New World Agriculture Group Regional Meeting, Kellogg Biological Station, November, 1991.

"Tentative Titles: The Implosion of Antinomies in Contemporary Society," Invited paper presented at a special session of the Rural Sociological Society, August, 1991.

"What About Nature? Biotechnology and Crop Diversity." Invited paper presented at the University of Michigan, March, 1992.

"Democratic Governance of Biotechnology." Invited paper presented at the winter meeting of the Northern Tier Land Grant Accountability Project, St. Cloud, MN, March, 1992.

"The Role of Science and Technology in Agriculture: The Case of Biotechnology." Invited paper presented at the Fifth European Rural Sociology Summer School, Centre for Rural Research, University of Trondheim, Trondheim, Norway, June, 1992.

"Agricultural Research in a Time of Change." Invited paper presented at the Agricultural Research Institute's International Conference of Agricultural Administrators, McLean, Virginia, September, 1992.

"Hungry for Biotechnology or Biotechnology for the Hungry: Can Molecular Biology Help the Third World?" Invited paper presented to the Department of Science and Technology Studies, Rensselaer Polytechnic Institute, Troy, October, 1992.

"New Industry-University Relationships and the Public Good." Invited paper presented at the annual meetings of the American Society of Agronomy, Minneapolis, November, 1992.

"Plants, Power, and Profit." Invited paper presented as part of the Biotechnology in Society Lecture Series, University of California at San Francisco, February, 1993.

"Agricultural Science for Whom? The Case of Canola." Invited paper presented at a conference on Farm Communities at the Crossroads: Resistance and Renewal, University of Regina, Regina, Saskatchewan, Canada, February, 1994.

"Macdonalds Not So Happy 'Happy Meal'." Invited paper presented at Northwest State Community College, Archbold, Ohio, February, 1995.

"How should Genetic Engineering be Prioritized and Funded to Maximize the Benefit to Society?" Invited Paper presented at a Forum on Biotechnology, Ohio University, Athens, Ohio, May, 1995.

"The Moral Economy of Grades and Standards." Invited paper presented at a conference on Agrarian Questions, Wageningen, Netherlands, May, 1995.

"Biotechnology and Agricultural Productivity: Changing the Rules of the Game?" Invited paper presented at an International Conference on Agricultural Productivity and Economic Development, Trondheim, Norway, June, 1995.

"Agricultural Standards and Biotechnology: What Relevance to Nutrition?" Invited paper presented at the Nordic School of Nutrition, Oslo, Norway, June, 1995.

"Civic Culture, Networks and Development." Invited paper presented at a conference on Civic Culture and Social Economy, Östersund, Sweden, Mid-Sweden University, April, 1996.

"What can we learn from the introduction of Soybeans and Canola?" Invited paper presented at the annual meetings of the American Society of Agronomy, St. Louis, October, 1995.

"Revolutionizing Higher Education in Agriculture: A Review." Invited paper presented at the annual meetings of the Agriculture, Food and Human Values Society, St. Louis, June, 1996.

"The Development of Moral Responsibility and the Moral Responsibility of Development." Invited paper presented to the Agrarian Studies Program, Yale University, New Haven, September, 1996.

"Grades and Standards in the Social Construction of Safe Food." Invited paper presented at a conference on the Social Construction of Safe Food, Trondheim, Norway, 1997.

"Global Agriculture." Invited paper presented at the Missouri Governor's Conference on Agriculture, Osage Beach, Missouri, December, 1997.

"Globalizing the Agrifood System: Greater Food Security or Recipe for Disaster?" Bultena Lectureship on Rural Life, presented at Iowa State University, Ames, Iowa, March, 1998.

"Paradoxes of Innovation: Standards and Technical Change in the Transformation of the US Soybean Industry." Invited paper presented at a Workshop on Systems and Trajectories of Agricultural Innovation, Berkeley, California, April, 1998.

"Standards and Appellations." Invited paper presented at the Salone del Gusto, Turin, Italy, October, 1998.

"Making the Case for the Social and Human Sciences: A Grantee's View." Invited paper presented at a workshop on Mobilizing the Social and Human Sciences, CSREES, USDA, Washington, May, 1999.

"US-EU Cultural Differences." Invited paper presented at a conference on US-EU Policy Issues in Animal Production, Columbia, Missouri, May, 2000.

"The Eclipse of Morality: Science, State, and Market." Invited keynote address to the Illinois Sociological Association, Joliet, Illinois, October, 2000.

"The Changing Ground of American Policy Initiatives." Invited paper presented at the Hastings Center, Garrison, New York, November, 2000.

"Collaboration to Strengthen Grades and Standards." Invited paper presented at the Agriculture, Environment, Private Sector and Food for Peace Officers' Workshop, Nairobi, Kenya, November, 2000.

"Biotechnology, the WTO, and the Public Good," Invited paper presented at Uruguay and Beyond: The WTO, Agriculture, and the Law, Detroit College of Law, MSU, February, 2001.

"Standards, WTO, and the Agrifood Sector," Invited paper presented to the Center for Advanced Studies in International Development, April, 2001.

“Biotechnology, Standards, and Development.” Invited paper presented at conference on Biotechnology and Global Governance, Kennedy School of Government, Harvard University, Cambridge, Massachusetts, May, 2001.

“Biotechnology, Development, and Standardization,” Invited paper presented at the CERES Summerschool Programme, Wageningen University, Wageningen, Netherlands, July, 2001.

“Terrorism and Global Development: Related Topics?” Invited paper presented at the inauguration of the Polson Institute for Global Development, Cornell University, Ithaca, New York, September 2001.

“The Future of Food Safety.” Invited paper presented to CIES, the international association of supermarkets, Geneva, Switzerland, September, 2001.

“Virgil, Vigilance, and Voice: Biotechnology, Standards, and Agriculture.” Invited paper presented at the annual meetings of the European Society for Agricultural and Food Ethics, Florence, Italy, October, 2001.

“Implications of the Change of Epoch for Science and Technology in Society and Agriculture.” Invited paper presented at the Regional Workshop, Towards a New Institutional Coherence for Guiding Rural R&D Efforts in Latin America, Heredia, Costa Rica, October, 2001.

“Impacts of Biotechnology: A Research Agenda,” Invited paper presented at the University of California, Riverside, October, 2001.

“Terrorism and Global Development,” Invited paper presented at Cornell University, Ithaca, New York, November, 2001.

“Retail Markets and the Growing Importance of Private Standards,” Invited paper presented at the USAID training workshop, Washington, DC, December, 2001 (with T. Reardon).

“Coming Soon to a Supermarket Near You: The New Global Politics of Food and Agriculture.” Invited paper presented at the University of Illinois at Chicago, January, 2002.

“What we can and must do About Terrorism.” Invited paper presented at the University of Illinois at Chicago, January, 2002.

“New! Improved? The WTO, Standards and the Emerging Global Food System,” Invited paper presented to the Department of Sociology, Colorado State University, April, 2002.

“Living in a Democracy,” Invited address presented at the commencement of the Social Science College, Michigan State University, April, 2002.

“Agribusiness and Market Linkages.” Invited paper presented at conference on Targeting Agricultural Research for Development in the Semi-Arid Tropics of Sub-Saharan Africa, ICRISAT Nairobi Center, July, 2002.

“The World Trade Organization, Standards, and the Emerging Global Food System.” Invited paper presented to the Department of Environmental Science, Policy and Management, University of California, Berkeley and the Department of Human and Community Development, University of California, Davis, October, 2002.

“Preliminary Findings from the Berkeley-Novartis Case” Invited paper presented at a conference on University-Industry Relationships and the Public Good: Framing the Issues in Agricultural Biotechnology, Research Triangle Park, NC, November, 2002.

“The Politics of GM Food.” Invited paper presented at the University of Toronto, January, 2003.

“The New Private Governance of Food Safety.” Invited paper presented at the annual meetings of the American Association for the Advancement of Science, Denver, February, 2003.

“Supermarkets and Standards.” Invited panel member at the annual meetings of the Association of American Geographers, New Orleans, March, 2003.

“Thought for Food: How Global Markets and International Standards are Changing the Food System.” Howard Beers Lecture in Sociology, presented at the University of Kentucky, March, 2003.

“Commentator,” Conference on Biodiversity, Biotechnology, and Protection of Traditional Knowledge, Washington University School of Law, April, 2003.

“Building Markets, Making Interests: The Creation of the Gene Industry.” Invited paper presented at a conference on Genetically Modified Food: The American Experience, Copenhagen, June, 2003.

“The Rise of Corporate Social Responsibility in the Retail Food Industry,” Invited paper presented at a Conference on The New Sustainability: Corporate or Consumer Social Responsibility, Wageningen, Netherlands, March 10, 2004, with Carmen Bain.

“Market Driven Implications,” Invited paper presented at a conference on Agricultural Environmental Management Systems, Washington, March 3-4, 2004.

“Trade, Food Security, and Standards.” Invited paper presented at a conference on Sovereignty and Security: New Conceptualizations for Post-9/11 North American Relations in the XXI Century, East Lansing, April 2004.

“A Sociology of Fear.” Invited paper presented at the University of the Aegean, Mytilini, Greece, May, 2004.

“The Changing Food System: From Markets to Networks,” Plenary Paper presented at the XI World Congress of Rural Sociology, Trondheim, Norway, July, 2004.

“From Markets to Networks: Supermarkets and the Emerging Global Agrifood System,” Invited paper presented at the Danish Institute for International Studies, Copenhagen, Denmark, October 19, 2004.

“The Technics of Governance: Thinking About the New (Socio)economics of Agrifood Standards,” Invited paper presented at the University of Cardiff, Cardiff, Wales, November 1, 2004.

“Gee! The Gnome in Genome,” Keynote Address to the Genome Canada GE³LS conference, Toronto, March, 2005.

“Circus Maximus? The World Trade Organization, the Private Sector, and Genetically Modified Crops,” Invited paper presented at Workshop and Conference on Genetically Modified Organisms, the World Trade Organization, and the Future of the World Agricultural Economy, Madison, Wisconsin, April 15, 2005.

“Contes Rendus: Pourquoi les contes comptent dans l’histoire des OGM,” Invited paper presented to the Ethics Committee of CIRAD, Paris, June 7, 2005.

“The Emerging Agrifood System: Challenges and Opportunities for Smallholders,” Invited paper presented at the International Food Policy Research Institute, Washington, DC, June 20, 2005. <http://www.ifpri.org/themes/Gov/govevents.asp>

“Can Plant Biotechnology Become a Truly Social Science?” Invited paper presented at the US-EC Taskforce on Biotechnology Research, National Science Foundation, Washington, DC, June 22, 2005.

“Biotechnology Standards: Challenges and Opportunities for Rural Development,” Invited paper presented at a conference on Ag Biotech and Midwest Rural Development, Federal Reserve Bank of Chicago, Chicago, IL, September 8, 2005.

“Mainstream v. Alternative Marketing Chains,” Invited paper presented at PhD course on organic food and farming, Skanderborg, Denmark, October 3-7, 2005.

“Performing the Economy, Performing Science: How Third Party Certification is Transforming the Food Sector,” Invited paper presented to the departments of Science and Technology Studies and Development Sociology, Cornell University, November, 2005.

“Emerging Agrifood Standards: Challenges and Opportunities,” Invited paper presented at Symposium on Risk Analysis of Agro-Product Safety, Chinese Academy of Agricultural Sciences, Beijing, China; and International Advanced Symposium on Agro-Product Safety Risk

Assessment and Testing Techniques, Zhejiang Academy of Agricultural Sciences, Hangzhou, China, April 2006.

“Risk Analysis: Issues, Limits, and Complexities,” Invited paper presented at Symposium on Risk Analysis of Agro-Product Safety, Chinese Academy of Agricultural Sciences, Beijing, China; Jiajiang Academy of Agricultural Sciences, Nanjing, China; International Advanced Symposium on Agro-Product Safety Risk Assessment and Testing Techniques, Zhejiang Academy of Agricultural Sciences, Hangzhou, China; and Zhejiang University, Hangzhou, China, April, 2006.

“La certification par tierce partie dans la mise en œuvre des normes,” Invited paper presented at Gouverner par les Normes: Dispositifs de Normalisation dans la Régulation des Marchés et des Activités Economiques. Montpellier, France, June, 2006.

“Standards: How Anonymous Power Shapes Our World,” Invited paper presented at the Buffet Pensant, Wageningen University, Netherlands, October, 2006.

“The Changing Governance of Food,” Invited paper presented at the Graduate School of the Chinese Academy of Agricultural Sciences, Beijing, November 2006.

“Standards: Some Thoughts on a Neglected Topic for Social Research,” Invited paper presented to the Department of Sociology at Peking University, November 2006.

“Standards: A Social Science Perspective.” Invited paper presented at the National Institute of Standards and Technology, Gaithersburg, Maryland, February, 2007.

“Our Daily Bread (Fortified with Iron and Calcium): What STS can tell us about the transformation of food and agriculture.” Invited plenary paper presented at a workshop on The Social and Material Practices of Agriculture, Farming and Food Production, Lancaster, UK, June 2007.

“Measuring Up: How Standards Shape Our Lives.” Invited paper presented at the ESRC Genomics and Policy Forum, Edinburgh, May, 2007.

“From Pareto Optimality to Corporate Social Responsibility: How Supply Chain Management Is Changing Our Notion of Social Welfare.” Invited paper presented to the Marketing and Consumer Behavior Group, Wageningen University, Wageningen, Netherlands, June 2007.

“The Culture of Science.” Invited paper presented at the Cooperative States Research, Education, and Extension Service Social Science Academy, Washington, DC, January 2008.

“The Private Governance of Food: Equitable Exchange or Bizarre Bazaar?” Invited paper presented a symposium on the Private Governance in the Global Agro-Food System, Münster, Germany, April 2008.

Invited discussant at a symposium on Les Mondes Agricoles en Politique, Association Française de Science Politique, Paris, France, May 2008.

“Performing the Economy: How Supply Chain Management is Transforming the Food Sector.” Invited paper presented at a workshop on Socioeconomics, Markets and Space: Performing Markets, Schloss Hirschberg, October 2008.

“What Kind of Agriculture do We Want? What Might Science Deliver?” Invited paper presented at a symposium on Sciences en Société: Dialogues et Responsabilité Scientifique, Paris, November 2008.

“What Can We Learn from the Regulation of Transgenic Crops?” Invited paper presented at a Seminario y Diálogo Público: Cultivos Transgénicos en Chile: Qué queremos como país?, Santiago, Chile, January 2009.

“Transgenic Crops, Transparency, Translations: Crop biotechnologies and the global south.” Invited paper presented at Santa Clara University, February 2009.

“The Politics of Animal Welfare Policies.” Invited Paper presented at a conference on Knowing Animals, Florence, Italy, March 2009.

“Recipes for Reality: How Standards Shape Our Lives.” Invited paper presented at the Universidade Técnica de Lisboa, April 2009.

“Science in Society: A Troubled Relationship.” Invited paper presented to the European Science Foundation workshop on Roadmapping Science in Society, Paris, June 2009.

“Nanotechnologies, Food and Agriculture: Through the Lens of Standards.” Invited paper presented to the Committee on Nanotechnology (NTI/1) British Standards Institution, London, July 2009.

“Science in Society: Restructuring the Relationship.” Invited paper presented to Youth in Science and Society Issues [a pan-European youth group], Le Cheylard, France, August 2009.

“How Third Party Certification is Transforming the Food Sector.” Invited paper presented at INRA/University of Toulouse, January 2010.

“Food Safety: The Entanglement of Standards, Laws, Fears, and Risks.” Invited paper presented at the University of Sheffield, February 2010.

“Standards: The Boring Stuff that Shapes Virtually Everything We Do.” Invited presentation at a Café Scientifique, Headingley, United Kingdom, March 2010.

“Food Standards: The Centre of a Wicked Problem.” Invited presentation at a symposium on Food Security, Beijing, China, March 2010.

“Standards: Living in a Certified Society.” Invited paper presented at the Ideas Festival, Lancaster University, United Kingdom, April, 2010.

“Acting Sustainably: Governance Through Standards In A Time Of ‘Corporate Science’.” Invited keynote presentation at Innovation and Sustainable Development in Agriculture and Food, Montpellier, France, June 2010.

“Food Standards: The Cacophony of Governance.” Invited paper presented at a symposium on food security, sponsored by the Society for Experimental Biology, Lancaster, UK, September, 2010.

“Quasi-States? The Unexpected Rise of Private Food Law.” Invited keynote presentation at the annual Congress of the European Food Law Association, Amsterdam, September, 2010.

“Inadequacy of the Contemporary Approach to Science.” Invited presentation to the Sustainable Michigan Educational Project Academy, East Lansing, October, 2010.

“Ubiquitous Monitoring and Risk: What are the Implications for Public Health and Sustainability?” Panel member at Risk, Uncertainty, and Sustainable Innovation symposium, Ann Arbor, September 2011.

XV. SELECTED PRESENTED PAPERS

"Rural Industrialization and Labor Force Participation." Paper presented at the meetings of the Rural Sociological Society, San Francisco, 1978 (with Carol Straus).

"A Sociological and Functional Profile of Agricultural Scientists." Paper presented at meetings of the Northeastern Regional Experiment Station Directors Association, New Brunswick, New Jersey, 1980.

"Decision Influences on Agricultural Scientists." Paper presented at meetings of the Experiment Station Committee on Organization and Policy, Lexington, Kentucky, 1980.

"Research Policy and Process: A Look at Horticulture." Presentation to Department of Horticulture, Lexington, Kentucky, March, 1981 (with W. B. Lacy).

"How Scientists Work: Problem Choice in the Agricultural Sciences." Farming Systems Research Seminar Series, Kansas State University, Manhattan, October, 1981.

"The Organizational Context of United States Agricultural Research." Paper presented at the Rural Sociological Society meetings, San Francisco, 1982.

"U.S. Public Agricultural Research." Slide presentation given (1983-1986) at North Carolina State University, Raleigh; Georgia Institute of Technology, Atlanta; University of Florida,

Gainesville; Experiment Station Committee on Organization and Policy, Washington, D.C.; Office of Agriculture, USAID, Washington, D.C.; International Agricultural Development Service, Washington, D.C.; Interreligious Task Force on U.S. Food Policy, Washington, D.C.; Cooperative State Research Service, USDA, Washington, D.C.; Economic Research Service, USDA, Washington, D.C.; University of Minnesota, St. Paul; National Industry State Agricultural Research Council, Washington, D.C.; North Central Agricultural Economics Administrators, Chicago, Illinois (with W. B. Lacy).

"Public Agricultural Research in the United States." Paper presented at annual meetings of the American Association for the Advancement of Science, Detroit, Michigan, 1983 (with W. B. Lacy).

"U.S. Agricultural Research: Implications for the Third World." Third World Development Seminar Series, Lexington, Kentucky, September, 1983, (with W. B. Lacy).

"The Impact of Biotechnology on Public Agricultural Research: The Case of Plant Breeding." Paper presented at the meetings of the American Association for the Advancement of Science, New York, June, 1984 (with M. Hansen, J. Burkhardt, and W. B. Lacy).

"The Impact of Public Agricultural R&D on Concentration in Farming." Paper presented at the meetings of the Rural Sociological Society, College Station, Texas, 1984 (with J. L. Silver, W. B. Lacy, C. S. Perry, M. Lancelle, and S. Deo).

"The Social and Scientific Consequences of the New Plant Biotechnologies." Paper presented at the meetings of the Rural Sociological Society, College Station, Texas, 1984 (with M. Hansen, J. Burkhardt, and W. B. Lacy).

"How are Markets Possible?" Paper presented at annual meetings of the Rural Sociological Society, Blacksburg, Virginia, 1985.

"Biotechnology and Agricultural Science." Paper presented at the meetings of the Society for Social Studies of Science, Pittsburgh, October, 1985 (with W. B. Lacy).

"Methods for Investigating Agricultural Research." Paper presented at the meetings of the American Association for the Advancement of Science, Philadelphia, May, 1986.

"Biotechnology in Agriculture: Its Impact on Food and Nutrition." Paper presented to the Department of Behavioral Science, College of Medicine, University of Kentucky, October, 1986.

"Our Daily Bread: The New Biotechnology and the Wheat Industry." Paper presented at the annual meetings of the Rural Sociological Society, Madison, Wisconsin, August, 1987.

"The Politics of Genetic Diversity." Paper presented at the annual meetings of the Society for Social Studies of Science, Worcester, Massachusetts, November, 1987 (with W. B. Lacy and J. Moraga-Rojel).

"Instruments and Values in Science." Paper presented at the annual meetings of the Society for Social Studies of Science, Worcester, Massachusetts, November, 1987 (with P. Marcotte).

"The International Transfer of Scientific Institutions: The `American Model' in Indian Agricultural Science Institutions." Paper presented at the annual meetings of the Society for Social Studies of Science, Amsterdam, Netherlands, November, 1988.

"Remembrance of Things Past (and Future): Plant Germplasm Conservation in France." Paper presented at the annual meetings of the Rural Sociological Society, Seattle, Washington, August, 1989.

"Agricultural Commodities: The Complex Path from Production to Consumption." Paper presented at the annual meetings of the Association for the Study of Food and Society, Philadelphia, Pennsylvania, June, 1990.

"Manufacturing Plants: Notes on the Nature of Culture and the Culture of Nature." Paper presented at the XII World Congress of Sociology, Madrid, Spain, July, 1990.

"Making Agricultural Commodities." Paper presented at the annual meetings of the Rural Sociological Society, Norfolk, Virginia, August, 1990.

"Germplasm Conservation in Four Nations." Paper presented at the annual meetings of the Society for Social Studies of Science, Minneapolis, Minnesota, November, 1990.

"What Kind of Nature Do We Want?" Paper presented at the annual meetings of the Agriculture, Food, and Human Values Society, Asilomar Conference Center, California, May, 1991.

"The State of Agricultural Science and the Agricultural Science of the State." Paper presented at a conference on the Globalization of the Agriculture and Food Order, Columbia, Missouri, June, 1991.

"Laws of Nature: The Paradox of Verietal Improvement." Paper presented at the annual meetings of the International Society for the History, Philosophy and Social Studies of Biology, Evanston, July, 1991.

"Germplasm Conservation in Four Nations: Brazil, Chile, France, and the United States," paper presented at the annual meetings of the American Association for the Advancement of Science, Chicago, February, 1992 (with W.B. Lacy and J. Burkhardt).

"Socializing Nature: Technoscience and the Transformation of Rapeseed into Canola." Paper presented at the Eighth World Congress of Rural Sociology, State College, PA, August, 1992.

"From Technical Assistance to Cooperation: A Comparison of French and American Agricultural Science Policies for the Third World." Paper presented at the annual meetings of the American Sociological Association, Pittsburgh, PA, August, 1992.

"Understanding the Cinderella Story: Science and the Transformation of Rapeseed into Canola." Paper presented at the Department of Agricultural Economics, University of Saskatchewan, January, 1993.

"If Plants Were Microbes and People Were Ducks: Problematic Metaphors in the Life Sciences." Paper presented at the annual meetings of the International Society for the History, Philosophy and Social Studies of Biology, Boston, MA, July, 1993.

"Research on the Globalization of Agriculture, Food, and Rural Commodities: Canola." Paper presented at the annual meetings of the Rural Sociological Society, Orlando, FL, August, 1993.

"The Social Construction of Worldwide Research on Rapeseed/Canola." Paper presented at the annual meetings of the Rural Sociological Society, Orlando, FL, August, 1993 (with Arunas Juska).

"Biological Diversity in a Canola Cropping System: Ethical, Social, and Economic Issues." Poster paper presented at the annual meetings of the American Association for the Advancement of Science, San Francisco, February, 1994 (with Katherine Gross).

"Metaphors and Measurements: Determining the Toxicity of Erucic Acid." Paper presented at the annual meetings of the Rural Sociological Society, Portland, August, 1994 (with Keiko Tanaka).

"Rites of Passage: The Negotiation of Quality in a Commodity Subsector." Paper presented at the annual meetings of the Society for Social Studies of Science, New Orleans, October, 1994 (with Keiko Tanaka).

"Grades, Standards, and Sustainability: The Case of Canola." Paper presented at the annual meetings of the American Association for the Advancement of Science, February, 1995.

"Recent Developments in Agricultural Biotechnology: Implications for Cooperatives." Paper presented at the annual meetings of the Rural Sociological Society, Washington, DC, August, 1995 (with J. Lynch-Brandon, G. Middendorf, and E. Ransom).

"Networks of Agricultural Development: The Case of Soybean Production and Consumption in Brazil." Paper presented at the annual meetings of the Rural Sociological Society, Washington, DC, August, 1995 (with Ivan S. F. de Sousa).

"Restructuring Agriculture: The Soybean Subsector as a Distributive System." Paper presented at the annual meetings of the Agriculture, Food and Human Values Society, St. Louis, June, 1996 (with A. Juska and E. Weigandt).

"Plant Disease Epidemics as Socio-Phytopathological Phenomena: The Case of Blackleg Disease in Canadian Rapeseed." Paper presented at the annual meetings of the Rural Sociological Society, August, 1996 (with A. Juska and E. Weigandt).

"Actor Networks and the Division of Knowledge in the University." Paper presented at the annual meetings of the American Educational Research Association, Chicago, 1997.

"Globalization, Democracy and Ethics." Panel member comments at the annual meetings of the Agriculture, Food and Human Values Society, June, 1997.

"Food Regimes, Commodity Chains, Commodity Subsectors and Food Networks." Paper presented at the annual meetings of the Agriculture, Food and Human Values Society, June, 1997.

"Technology Choice: The Options Available to Agricultural Cooperatives." Paper presented at the annual meetings of the Rural Sociological Society, August, 1997 (with G. Middendorf).

"Standardization as a Means for Globalizing a Commodity: The Case of Rapeseed in the People's Republic of China." Paper presented at the annual meetings of the Rural Sociological Society, August, 1997 (with Keiko Tanaka).

"Globalization of Agricultural Production and Agricultural Research: The Case of the Rapeseed Subsector." Paper presented at the annual meetings of the Rural Sociological Society, August, 1997 (with A Juska).

"Making Soybeans: Constructing Standards in the Brazilian Soybean Subsector." Paper presented at the annual meetings of the Rural Sociological Society, August, 1997 (with I. De Sousa).

"Science, Market and State: Three Paths from Moral Responsibility." Paper presented at the annual meetings of the Society for Social Studies of Science, October, 1997.

"Globalizing the Agrifood System: A Tough Row to Hoe." Paper presented at a conference on Globalization and its (Dis) Contents, Michigan State University, East Lansing, April, 1998.

"Food Safety is about more than Food Safety." Paper presented at the annual meetings of the American Association for the Advancement of Science, Anaheim CA, January, 1999.

"Agricultural Grades and Standards: Neglected Ethical Concerns." Paper presented at the First European Conference on Agricultural and Food Ethics, Wageningen, Netherlands, March, 1999 (with J. Bingen, C. Harris, and T. Reardon).

"How Standards Order the World." Paper presented at a conference on Sociality/Materiality, Brunel University, Uxbridge, United Kingdom, September, 1999.

“Standards and Agricultural Development.” Poster paper presented at the Agriculture, Environment, Private Sector and Food for Peace Officers’ Workshop, Nairobi, Kenya, November, 2000.

“Development in an Age of Global Agrifood Markets,” Paper presented at the annual meetings of the Rural Sociological Society, Albuquerque, August, 2001.

“Starlink: Standards in the Making.” Paper presented at the annual meetings of the Agriculture, Food and Human Values Society, June, 2002.

“Starlink: Standards in the Making.” Paper presented at the annual meetings of the Rural Sociological Society, Chicago, August, 2002.

“Standards from Science to the Grocer’s Shelf.” Paper presented at the annual meetings of the Society for Social Studies of Science, Milwaukee, November, 2002.

“Using Standards Strategically in International Markets.” Paper presented at a special seminar for Ghanaian fruit and vegetable producers, Accra, June, 2003.

“Our Changing Food System.” Paper presented to the Lansing Farmers Club, November, 2003.

“Are Sustainability and Social Justice Compatible?” Paper presented at the annual meetings of the Rural Sociological Society, Sacramento, CA, August, 2004.

“Standards and the Governance of Science and Technology in the Agrifood Sector,” paper presented at the meetings of the Society for Social Studies of Science, Paris, September, 2004.

“Can Third Party Certification of Food and Agricultural Products Enhance Social Justice?” Paper presented at the annual meetings of the Rural Sociological Society, Tampa, FL, August, 2005.

"Producing Non-Genetically Modified Corn and Soy: It's All about Supply Chain Management." Paper presented at the annual meetings of the Rural Sociological Society, Louisville, KY, August, 2006 (with Jason Konefal).

“Standards: The Silent Technologies of Power.” Paper presented at the annual meetings of the Society for Social Studies of Science, Vancouver, British Columbia, October, 2006.

“Experts, Democrats, and Standards: Where Does Sociology Fit?” Paper presented at the annual meetings of the Rural Sociological Society, Manchester, New Hampshire, July, 2008.

“Global Warming and Hot Potatoes: How Debates Over Standards Shape the Biophysical, Social, Political, and Economic Climate.” Paper presented at the annual meetings of the Rural Sociological Society, Madison, Wisconsin, July 2009.

“Outsourcing Morality, Outsourcing Methods.” Paper presented at the annual meetings of the Society for Social Studies of Science, Washington, DC, October, 2009 (with Leigh Star).

“Individual Choice and Social Values: Choice in the Agrifood Sector.” Paper presented at the XVII World Congress of Sociology, Gothenburg, Sweden, July, 2010.

“Synthetic Biology: Can Standards be Developed?” Paper presented at the annual meetings of the European Association for Studies of Science and Technology, Trento, Italy, September, 2010.

“The Social and Ethical Dimensions of Biosensors: A Case Study from Animal Production.: Poster paper presented at the KBS/LTER all scientist meeting, Hickory Corners, MI, April, 2011 (with K. Whyte, P.B. Thompson, J.V. Stone, and M. List).

XVI. SOCIETY MEMBERSHIPS

American Sociological Association
American Association for the Advancement of Science
Rural Sociological Society
International Sociological Association
Society for Social Studies of Science
Agriculture, Food, and Human Values Society
Association for the Study of Food and Society

XVII. UNIVERSITY SERVICE

A. Michigan State University

Chair, Rural and Environmental Studies Program Committee, Sociology Department, 1990-2001.

Member, Theory Committee, Sociology Department, 1990-Present.

Member, Research Themes Committee, February, 1990.

Member, Graduate Education Committee, 1990-1991.

Member, Committee on the Role of the Social Sciences in CANR, 1990-94.

Chair, College of Social Science Advisory Committee on Agriculture and Rural Development, 1990-94.

Chair, Fall, 1995, Member, Undergraduate Education Committee, 1994-96.

Chair, Search Committee, Fall, 1995.

Member, Task Force on Mission, Goals and Operating Procedures, Office of the Vice President for Research, 1998.

Chair, Subcommittee on Infrastructure, University Bioterrorism Initiative, 2002.

Co-Chair, Kellogg Biological Station, Senior Faculty position, 2009-2010.

B. University of Kentucky

Translator, French, College of Agriculture, Tobacco Tour, 1980, 1985.
Chair, Theory and Methods Committee, Sociology Department, 1980-1981.
Member, Chair Search Committee, Sociology Department, 1982.
Chair, Personnel Committee, Sociology Department, 1982-1983.
Member, Heidelberg Scholarship Committee, 1983-1986.
Member, Committee on General Education, 1983-1985.
Chair, Theory Committee, Sociology Department, 1983-1984.
Member, Department Review Committee, Anthropology Department, 1984.
Member, Department Review Committee, Agricultural Economics Department, 1984.
Member, Lexington Campus Research Advisory Committee, 1985-1989.
Member, University Press Advisory Committee, 1985-1988.
Chair, Rural Sociology Committee, Sociology Department, 1985-1986.
Member Graduate Committee, Sociology Department, 1986-1987.
Member, Sturgill Award Committee, 1986.
Member, Social Science Bond Issue Equipment Review Panel, 1987.
Chair, Sturgill Award Committee, 1987.
Member, College of Agriculture Review Committee, 1987-1988.

XVIII. PROFESSIONAL SERVICE

Chair, Social Organization of Agriculture Research Group, Rural Sociological Society, 1978-1979.
Member, Nominations Committee, Rural Sociological Society, 1979-1980.
Member, Development Committee, Rural Sociological Society, 1980-1982.
Designated Liaison of Rural Sociological Society to International Sociological Association, 1985-1986.
Organizer and Acting Chair, Ad Hoc Group on the Sociology of Agriculture, International Sociological Association, 1983-1986.
Chair, Research Committee on the Sociology of Agriculture, International Sociological Association, 1986-1990.
President, Society for Agriculture, Food, and Human Values, 1988-89.
Board Member, Council for Agricultural Science and Technology, 1990-1993.
Member, Conseil Scientifique, Centre de Coopération Internationale en Recherche Agronomique pour le Développement (CIRAD), Paris, France, 1990-1996
Member, Review Panel, Ethics and Values Studies, National Science Foundation, 1993-1995.
Member, Steering Committee, Council of Affiliates for International Programs, American Association for the Advancement of Science, 1994-1998.
Member, Scientific Board, Science Tribune, 1996 to 2000.
Member, Social Science Subcommittee, Experiment Station Committee on Organization and Policy, 2000-2008.
President, Rural Sociological Society, 1997-98.
USAID Scientific Liaison Officer to the International Service for National Agricultural Research (ISNAR), 1999 to 2004.

Member, Jury, Slow Food Prize, 1999 to present.
Member, National Academy of Sciences subcommittee on Opportunities in Agriculture, 2000-2001.
Member, United Nations University, Agricultural Biotechnology Network, 2001-2002
Proposal Reviewer, International Foundation for Science, 2000 to present.
Member, Commission d'Evaluation, Département d'Economie et Sociologie Rurales, Institut National de la Recherche Agronomique, Paris, 2003.
Member, Review Panel, Human and Social Dynamics, National Science Foundation, 2004.
Member, Review Panel, Special Intellectual Property Competition, National Institutes of Health, 2005.
Member, Scientific Board, (animal) Welfare Quality project, European Union, 2004-2009.
Member, INTSORMIL proposal review panel, Fall 2007.
Member, Genome British Columbia, proposal review panel, Winter 2008, Spring 2009, Fall 2010.
Chair, Subcommittee for review of four chair groups, Wageningen University, Netherlands, June 2009.

XIX. SELECTED INTERNATIONAL ACTIVITIES

Consultant, USAID/SECID, Agricultural Human Resources Development Team, Ouagadougou, Upper Volta, Fall, 1977.

Participant, U.S. National Academy of Sciences and ONAREST, joint workshop on Agricultural Research Management, Buea, Cameroon, Summer, 1978.

Consultant, Cornell University Program on Participation, Yaoundé, Cameroon, Summer, 1979.

Member, Planning Committee, international conference on "Sorghum in the 80s," Hyderabad, India, November, 1981.

Participant, OAU/SAFGRAD, workshop on "Farming Systems Research," Dakar, Senegal, 1981.

Project Co-Director, study of the Sudan Agricultural Research Corporation, Sudan, January-March, 1982.

Consultant, Devres/MUCIA/USAID, workshop on "Agricultural Research in the Sahel," Bamako, Mali, May, 1983.

Consultant, Office de la Recherche Scientifique et Technique Outre-Mer (French scientific and technical aid agency), Paris, February, 1984.

Consultant, Empresa Brasileira de Pesquisa Agropecuaria (Brazilian Agricultural Research Corporation), Brasilia, 1984.

Consultant, USAID and Academy for Educational Development, "Impact Evaluation of Institut Agricole et Vétérinaire, Hassan II," Rabat, Morocco, January, 1986.

Consultant, USAID, development of scope of work, implementation plan, data collection, and preparation of final report for "Impact Evaluation of Indian Agricultural Universities," New Delhi, August, 1986; October, 1986; February, 1987, January, 1988; April, 1988.

Participant, Symposium on Research in Agricultural Economics and Rural Sociology, Institut Agronomique et Vétérinaire Hassan II, Rabat, Morocco, February, 1988.

Chief of Party, Management Systems International/USAID, Cameroon Agricultural Research Indicators Project, Yaoundé, December, 1989.

Member, External Evaluation Panel, INTSORMIL (International Grain Sorghum, Pearl Millet Collaborative Research Support Program), 1992-2000.

Provided guidance to the Norwegian Research Council on the establishment of a program on the social implications of agricultural biotechnology, June, 1992.

Member, external review team, Evaluation of EMBRAPA (Brazilian Agricultural Research Corporation), June, 1992.

Visiting Professor, Centre for Rural Research, University of Trondheim, Dragvoll, Norway, June, 1994, June, 1995, April 1996, May 2000, September-November, 2004.

Member, external review team, Sociologie et Economie Rurales, Institut National de la Recherche Agronomique, December, 2003.

Visiting Scholar, Genomics Research and Policy Forum, University of Edinburgh, May, 2007.

Panel Member, Genome British Columbia grant proposal review panel, February 2008.

XX. LANGUAGE COMPETENCE

Fluent in French

XXI. MEDIA ACTIVITIES

Videotape presentation for INTSORMIL/Nebraska, February, 1983

Television interview, "Down on the Farm: The Costs of America's Agricultural Productivity," Nova, Public Broadcasting System, March 20, 1984.

Radio interview, "Les Biotechnologies et le Tiers-Monde," Radio Canada International, May 30, 1984.

Radio interview, "The Food Show," Canadian Broadcasting Corporation, May 28, 1984.

Radio interview, "Plant Genetic Resources and the Third World," Christian Science Monitor Radio, February 16, 1987.

Radio interview, "Community Forum," WLRH Huntsville Public Radio, April 17, 1991.

Interview on agricultural biotechnology, Minnesota Public Radio, KSJR, Collegville, MN, March 13, 1992.

Interview on transgenic plants, WDIV television, Detroit, October 2, 1992.

Radio interview on the future of biotechnology, WJIM, Lansing, MI, February 9, 1993.

Interview on germplasm conservation, Equinox Science Radio, Atlanta, February, 1995.

Interview, Mother Jones, April 1998.

Interview, Lansing State Journal, October 30, 1999, p. 10D.

Television interview, WWMT, Kalamazoo, February 8 and 9, 2000.

Television interview, NOVA, February 27, 2002.

Radio Interview, Seeds of Trouble, BBC Radio 4, October 22, 2002.

Television Interview, WHTV, Wuhan, China, June 5, 2003.

Radio Interview, Danish Broadcasting Company, June 13, 2003.

Newspaper Interview, Capital Press, June 6, 2003, p. 5.

Newspaper interview, Sacramento Bee, November 20, 2003.

Newspaper interview, Handelsbladet FK (Norway), November 30, 2004.

Newspaper interview, Los Angeles Times, July 7, 2005.

Magazine interview, Gourmet Magazine, April 2005 issue, p. 72.

Newspaper interview, Helen Lipson of The Oregonian, February 2006.

Newspaper interview, Chronicle of Higher Education, April 21, 2006, p. A27.

Interview, Science (315), February 9, 2007, p. 747.

Newspaper interview, Revista del Campo El Mercurio, January 5, 2009, p. 10.

XXII. EDITORIAL ACTIVITIES

Advisory Editor, Sociological Quarterly, 1986-1988.

Associate Editor, Nature, Sciences, Sociétés, 1991-2000.

Editor, Agrarian Questions, a series of volumes of the University Press of Kentucky, 1987-1991.

Associate Editor, Rural Sociology, 1981-1985.

Chair, Publications Committee, Rural Sociological Society, 1983-1984; Member, 1982-1985.

Associate Editor, Agriculture and Human Values, 1984-present.

Member, editorial board, Library of Agricultural and Environmental Ethics, 1995-present.

Member, editorial board, Genomics and Society book series, 2009 to present.

XXIII. OTHER ACTIVITIES

Participant, workshop on "Seeking Explanation for Different Rates of Return to Agricultural Research," Ford Foundation, New York, February, 1979.

Consultant, Cameroon project, University of Missouri, Fall, 1979.

Consultant, Cameroon project, SECID, Fall, 1979.

Organizer and co-presenter (with William B. Lacy), workshop on the agricultural sciences, Ford Foundation, New York, July, 1980.

Vice-Chair, Technical Committee, International Grain Sorghum/Pearl Millet Collaborative Research Support Program, 1980-1981; Member, 1979-1980.

Reviewer, National Science Foundation, Rural Sociology, Fundamenta Scientiae, Sociological Inquiry, Social Studies of Science, Southern Rural Sociology, Sociological Quarterly, Human Organization, Science, Technology and Human Values, Politics and the Life Sciences, BioScience, USDA National Research Initiative, Australian Research Council, Agriculture and Human Values, Society and Natural Resources, Sex Roles.

Member, Mayor's task force on public transportation, Lexington, Kentucky, 1982-1983.

Consultant, "Research Base for Extension Programs," USDA and West Virginia University, Morgantown, West Virginia, 1982-1984.

Research Associate, Applied Planning Research Institute of Municipalities, Environments, and Regions, Texas Tech University, Lubbock, 1984-88.

Invited participant, symposium on "BioMass Energy," Rockefeller Brothers Fund, Airlie House, Virginia, January, 1985.

Invited participant and rapporteur, workshop on the "Marriage of Conservation and Agriculture," Rockefeller Brothers Fund and Rodale Press, Allentown, March, 1985.

Organizer, symposium on the "Agricultural Scientific Enterprise," Lexington, Kentucky, March, 1985.

Consultant, "Evaluating Agricultural Research Programs," USAID, Academy for Educational Development, Summer, 1985.

Team member, Course Development Team, "Ethics and Values in Food, Agriculture, and Natural Resource Policy," National Curriculum Development Project, Resident Instruction Committee on Organization and Policy, 1985-86.

Invited participant and rapporteur, workshop on "Crop Productivity-- Research Imperatives Revisited," Michigan State University and Charles F. Kettering Foundation, Boyne Harbor, Michigan, and Airlie, Virginia, October and December, 1985.

Workshop leader, "Philosophy and Agricultural Research," Texas A&M University, Department of Philosophy, College Station, Texas, February, 1986.

Discussant, "Future Challenges for Our Food System," FEAST Program, University of Kentucky, Lexington, May, 1986.

Planning Group Member, "Expert Consultation on the Role of Universities in Agricultural Research," Food and Agriculture Organization of the United Nations, Rome, January, 1990.

"Biotechnology: Economic, social, and ethical consequences for the agro-alimentary system." Invited testimony delivered at an Italian parliamentary seminar on "I Sistemi Agro-Alimentari su Scala Globale: Tendenze e Alternative, Rome, April, 1991.

Member, International Linkages Panel, Centre for Rural Social Research, Charles Sturt University, Wagga Wagga, NSW, Australia, 1997- present.

Member, Advisory Committee, Project on Public Goods and University-Industry Relationships in Agricultural Biotechnology, Portland State University, 2002-2004.

Listed in:

Who's Who in Science and Engineering, 1st, 2nd, and 3rd editions.

Who's Who in the Midwest, 24th and 25th editions.
Who's Who Among Emerging Leaders in America, 3rd edition.
Who's Who in the World, 12th edition.
Who's Who in the South and Southwest, 19th and 20th editions.
Who's Who in America, 57th, 59th, 60th, and 61st editions.
Who's Who in the World, 21st edition, 2004.