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Journals

57. ["Nitrogen sources and Gulf hypoxia: potential for environmental credit trading"](#)

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56. ["Politics and Indices in the Conservation Reserve Program"](#) Ecological Indicators, Vol. 1,

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1. "Implementation of New Conservation Programs and the Need to Respond to Changing Market Conditions." Southern Journal of Agricultural Economics. July 1980, pp. 173-77 (Ogg and Heimlich).

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30. ["The U.S. Experience with Land Retirement for Natural Resource Conservation,"](#) and ["Evaluating Bids in the U.S. Conservation Reserve Program,"](#) Xu Jintao and Ulrich Schmitt (Eds.) [Workshop on Payment Schemes for Environmental Services: Proceedings, CCICED Task Force on Forests and Grasslands](#), Beijing, April 22 - 23, 2002, China Forestry Publishing House, pp. 12-15 and 36-38. (full text on CD-ROM)

29. "Farmland Protection Programs: How Would We Know They Worked?" Presented at Protecting Farmland at the Fringe: Do Regulations Work?, A National Conference, Baltimore, MD, September 5-7, 2001. 29 pp. Precis in [Protecting Farmland at the Fringe: Do Regulations Work? Strengthening the Research Agenda](#), NERCRD Regional Rural Development Paper No. 7, Northeast Regional Center for Rural Development, Pennsylvania State University, December 2001.

28. ["Implementation of Conservation Compliance Provisions: Experience in the U.S. with Highly Erodible Land and Wetland Conservation."](#) In Baldock, D. (editor) Meeting Environmental Standards Under Agenda 2000. Proceedings of an international workshop, Madrid, Spain, October 3-7, 2000. Institute for European Environmental Policy and World

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30. [Development at the Urban Fringe and Beyond: Impacts on Agriculture and Rural Land](#), AER-803, June 2001. 80 pp. (Heimlich and William D. Anderson).
29. Maintaining Farm and Forest Lands in Rapidly Growing Areas. Report to the Secretary of Agriculture, From the USDA Policy Advisory Committee on Farm and Forest Land Protection and Land Use. January 2001. 73 pp.
28. [6.5 Wetlands Programs](#). Agricultural Resources and Environmental Indicators, 2000. September 2000. 27 pp.
27. [6.1 Conservation and Environmental Programs Overview](#). Agricultural Resources and Environmental Indicators, 2000. September 2000. 28 pp.
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12. ["Economics of Livestock and Crop Production on Post-CRP Lands."](#) in Joyce, L., Mitchell, J. and Skold, M. (eds.) The Conservation Reserve--Yesterday, Today and Tomorrow. General Tech. Rpt. RM-203, Rocky Mountain Forest and Range Exp. Sta., May 1991. (Heimlich and Kula)
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10. Metropolitan Growth and Agriculture: Farming in the City's Shadow, AER-619, September 1989 (Heimlich and Brooks)
9. Productivity and Erodibility of U.S. Cropland, AER-604, January 1989
8. The Land Improvement Tax Simulator (LITS): An Analytical Tool, ERS Staff Report AGES860919, October 1986 (Heimlich and Daugherty)

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6. Swampbusting: Wetland Conversion and Farm Programs, AER-551, August 1986. (Heimlich and Langner)
5. Sodbusting: Land Use Change and Farm Programs, AER-536, June 1985
4. Characteristics of Landowners Converting Land in the Western Great Plains, 1975-77, ERS Staff Report AGES850409, May 1985
3. Erodible Soils: Definition and Classification, Soil Conservation Service A and P Staff Report 85-2, March 1985 (McCormack and Heimlich)
2. Assessing Erosion on U.S. Cropland: Land Management and Physical Features, AER-513, July 1984 (Bills and Heimlich)
1. Economics of Water Quality in Agriculture-- A Literature Review, ESCS-58, July 1979 (Christiansen, Ogg, and Heimlich)

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Presented Papers

53. "Local and National Priorities for Water Quality Goals: Reconciling Watersheds and Estuaries" at [Innovations in Reducing Nonpoint Source Pollution Conference](#), Indianapolis, Indiana, The Rivers Institute at Hanover College November 28-30, 2006.
52. "A Green 2007 Farm Bill: Paying farmers for water quality improvements as an alternative to traditional commodity programs" at [Innovations in Reducing Nonpoint Source Pollution Conference](#), Indianapolis, Indiana, The Rivers Institute at Hanover College November 28-30, 2006.
51. ["A Green 2007 Farm Bill: Paying Farmers for environmental improvement as an alternative to traditional commodity programs"](#) at [On The Dairy Horizon: Reflections about Trade, Environment and the Safety Net](#), 13th Annual Workshop for Dairy Economists and Policy Analysts organized by the Extension Education Committee of the Cornell Program on Dairy Markets and Policy and National Institute of Livestock and Dairy Policy, San Antonio,

TX, March, 23-24, 2006.

50. ["Green Payments Now—What's Missing?"](#), Building the Scientific Basis for Green Payments, World Wildlife Fund and Michigan State University, Washington, DC, April 14-15, 2005.

49. ["The Policy-Related Transactions Costs of Land Conservation in the United States: Evolution and Comparison Between Programs"](#) OECD Workshop on Policy-Related Transaction Costs, Paris, 20-21 January 2005.

48. ["Improving NRCS EQIP Allocation and Ranking: More Bang for the Buck"](#), Soil and Water Conservation Society Meetings, St. Paul, MN, July 24-28, 2004.

47. ["Is NRCS "EQIPed" to Get the Most from EQIP? State Allocation and Ranking Procedures"](#), *Is NRCS EQIPped to Get the Most from EQIP? Analysis of State Allocation and Ranking Procedures*, organized symposium, Soil and Water Conservation Society Meetings, St. Paul, MN, July 24-28, 2004.

46. ["The U.S. Experience with Land Retirement for Natural Resource Conservation"](#) Workshop on Payment Schemes for Environmental Services, Western China CCICED Forest Grasslands Task Force and Chinese Center for Agricultural Policy, Beijing, PRC, April 22-23, 2002.

45. "Farmland Protection and Smart Growth: Saving Urban Influenced Farmland" Northeast/Midwest Institute Briefing, Senate Smart Growth Task Force and the Liveable Communities Task Force, Washington, DC, July 30, 2001.

44. "A Green Payments Analysis" New Generation of Farm Policy Meeting, Purdue University, West Lafayette, IN, March 1, 2001.

43. "Establishing Effective Incentives in Practice: The Role of Valuation and Influence of Other Factors" OECD/ERS Rural Amenities Workshop, Washington, DC, June 5-6, 2000. 47 pp.

42. "Wetlands and Agriculture: Restoration, Conservation and the Future of "No Net Loss", The State of North America's Private Land, Farm Bill Conservation Conference, Soil and Water Conservation Society, Chicago, IL, Jan. 19-21, 1999.

41. "Wetlands and Agriculture: Restoration, Conservation and No Net Loss", Resources for the Future, October 28, 1998 (Claassen and Heimlich)

40. "Agricultural Soil Quality" OECD Workshop on Agri-Environmental Indicators, COM/AGR/CA/ENV/EPOC(98)77, York, United Kingdom, September 22-25, 1998, 39 pp. (Arnold, Bomans, and Heimlich)
39. "On Using Agri-Environmental Indicators to Assess Environmental Performance" [OECD Workshop on Agri-Environmental Indicators, York, United Kingdom](#), September 22-25, 1998
38. "Nitrogen Sources and Gulf Hypoxia: Potential for Point-Nonpoint Trading," American Agricultural Economics Association Meeting, Salt Lake City, Utah, Aug. 2-5, 1998, 19 pp. (Ribaud, Heimlich and Peters)
37. "Public Policy Regarding Precision Agriculture" in Precision Agriculture in the 21st Century: The Report of the National Research Council, AAEA Annual Meeting, Salt Lake City, UT, August 2-5, 1998.
36. "Economic Forces Affecting United States Agriculture and Natural Resources," EPA-LGU-NASA-USDA Summit, SAES/USDA-CSREES National Environmental Initiative (SUNEI), Towson, MD, June 3, 1998.
35. "Wetland Valuation: Lessons from the Literature," OMB/CEA Steven's Amendment Seminar, Washington, D.C., May 4, 1998, 25 pp.
34. "Wetland Conversion for Agriculture After the FAIR Act," American Agricultural Economics Association Meeting, Toronto, Ontario, Jul. 27-30, 1997, 21 pp. (Claassen, Heimlich, and House)
33. "Soil and Landscape Limitations on the Supply of Land in Urbanizing Areas," American Agricultural Economics Association Meeting, Toronto, Ontario, Jul. 27-30, 1997, 16 pp. (Heimlich and Bills)
32. "Consequences of Exempting Wetlands from Swampbuster and Section 404" in "Wetland Futures: Can We Sustain 'No Net Loss'?", interactive session, Soil and Water Conservation Society Meeting, Toronto, Ontario, Jul. 22-25, 1997, 7 pp.
31. "A National Analysis of Changes in Watershed Factors Potentially Affecting Wetland Quality," Soil and Water Conservation Society Meeting, Toronto, Ontario, Jul. 22-25, 1997, 17 pp.
30. "Hypoxia in the Gulf of Mexico: Comparison of Sources of Nitrogen in the Mississippi Basin," Soil and Water Conservation Society Meeting, Toronto, Ontario, Jul. 22-25, 1997, 20

pp. (Ribaud and Heimlich)

29. "Using GIS to Analyze the Economics of Swampbuster Exemptions" at Wetlands '96, Association of State Wetland Managers, Wetland, Floodplain, and River On-Line Services and GIS Applications, Arlington, July 9-12, 1996 (Claassen and Heimlich)
28. "Strategies for a More Sustainable Agriculture: Precision Farming", NRED Sustainability Workshop, Washington, D.C., Oct. 21-22, 1996. 35 pp.
27. "Background on Wetlands Issues" Agriculture and the Environment: Issues and Options for the 1995 Farm Bill, organized by the Soil and Water Conservation Society, Washington, DC, March 9-10, 1995
26. "Data Analysis with GIS" AAEA Learning Workshop on GIS as a Research Tool for Economists, Indianapolis, August 1995.
25. "Applying GIS to Resource Economics" 5th Annual National Capital Area ARC/INFO Users Group Conference, Baltimore, December 1995. (Heimlich and Breneman)
24. "Environmental Indicators for U.S. Agriculture" at Developing Indicators for Environmental Sustainability: The Nuts and Bolts, Resource Policy Consortium, Washington, DC, June 12-13, 1995.
23. "Developing a Geographic Information System For Resource Economic Analyses." selected paper, Soil and Water Conservation Society meetings, Norfolk, VA. August 4-7, 1994.
22. "Wetlands: Data from the NRI." 1992 National Resources Inventory Environmental and Resource Assessment Symposium. Washington, DC. July 19, 1994.
21. "Wetlands Policies in the Clean Water Act." National Symposium on New Directions in Clean Water Policy. University Council on Water Resources. Charlottesville, VA. July 28-30, 1992.
20. "Policy Directions for the Clean Water Act Reauthorization: Markets, Mandates, Planning and Science." National Symposium on New Directions in Clean Water Policy. University Council on Water Resources. Charlottesville, VA. July 28-30, 1992. (Painter and Heimlich).
19. "National Economic Perspective on Wetlands." Living with Wetlands: Policy and Politics, Nebraska Water Conference. Lincoln, NE. March 15-17, 1992.

18. "Costs and Benefits of an Agricultural Wetland Reserve: A Normative Approach." Association of American Geographers 88th Annual Meeting. San Diego, CA. April 18-22, 1992.
17. "Integrating Land-Related Program, Survey, and Inventory Data." Land Ownership and Taxation Seminar. Washington, DC. October 3-4, 1991.
16. "Wetlands and Agriculture: Recent Federal Policy and Emerging Issues." Southern Extension Public Affairs Committee, Clearwater, Florida. June 25, 1991.
15. "Agricultural Adaptation to Urbanization: Farm Types in U.S. Metropolitan Areas." special symposium on sustaining agriculture near cities. Sponsored by WRCC-71, Western Regional Science Association meetings, Monterey, California. February 25-28, 1991.
14. "Agricultural Adaptation to Urbanization: Farm Types in Northeastern Metro Areas." selected paper. Northeastern Ag. and Resource Econ. meetings, Truro, Nova Scotia. June 18-20, 1990.
13. "A National Policy of 'No Net Loss' of Wetlands: What do Agricultural Economists Have to Contribute?" org. symposium. AAEA meetings, Vancouver, BC. Aug. 1990.
12. "An Agricultural Wetland Reserve: Creating Wetlands from Drained Cropland." Selected paper presented to American Agricultural Economics Association summer meeting, Baton Rouge, LA, July 30-August 2, 1989.
11. "Grazing Lands and the Conservation Reserve Program." Invited paper presented at the 1989 Forage and Grasslands Conference, Guelph, Ontario. May 1989. (Heimlich and Vough)
10. "Adapting Agricultural Land Use to the New Settlement Pattern." Selected paper presented at the Population Association of America annual meetings, Baltimore, MD, March 30-31, 1989.
9. "Land Use and Demographic Change: Results from Fast Growth Counties." Selected paper presented at the Population Association of America annual meetings, Baltimore, MD, March 30-31, 1989. (Vesterby and Heimlich)
8. "Economic and Physical Marginality of Highly Erodible Cropland." Selected paper presented to American Agricultural Economics Association summer meeting, Knoxville, TN, July 31-August 3, 1988.

7. "Metropolitan Agriculture in the Northeast: New Settlement Patterns and Agricultural Adaptation." Selected paper presented to Northeastern Agricultural and Resource Economics Association meeting, Kingston, RI, June 22-24, 1987.
6. "Reducing Erosion and Agricultural Capacity: Our Cropland Base and the Conservation Reserve." Selected paper presented to American Agricultural Economics Association summer meeting, Reno, NV, July 28-August 2, 1986.
5. "Relationships Between Erosion Control Benefits and Land Use Change in Upstate New York." Poster paper presented to the National Symposium on Erosion and Soil Productivity, New Orleans, LA, December 10-11, 1984. Indexed as P84-ER16 by American Society of Agricultural Engineers. (Heimlich and Bills)
4. "Geographic Information Systems in Policy Research: Examples From an Evolving System." Selected paper presented to Soil Conservation Society of America Annual Meeting, Hartford, CT, July 31-August 3, 1983. (Ogg, Heimlich, and Bills)
3. "Economics of Size in Dairy Farm Adjustment to Water Quality Constraints." Selected paper presented to American Agricultural Economics Association summer meeting, Logan, UT, August 1-4, 1982.
2. "Local Impacts of Soil Conservation Strategies for a Large River Basin in the Southeast." Contributed paper presented to Southern Agricultural Economics Association meeting, New Orleans, LA, February 5-7, 1979. (Ogg, Heimlich and Hostetler).
1. "An Analysis of Land Clearing on Eastern North Carolina Wetlands." Contributed paper presented to Southern Agricultural Economics Association meetings, New Orleans, LA, February 5-7, 1979. (Heimlich, Ogg and Hostetler).

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Other Publications and Reports

25. [Background Materials and Ideas for Farm Policy Reform](#) Center for Agriculture in the Environment, American Farmland Trust, DeKalb, Illinois August 17, 2005
24. ["Good Conservation Programs Are Specific to the Landowner's Situation"](#), Conservation Incentives, Environmental Defense, Center for Conservation Incentives, pp. 7-8, Fall 2005
23. [Getting a Bigger Bang for the Buck: Assessment of EQIP 2003 allocation and ranking](#)

- [systems and ideas for further improvements](#), Environmental Defense, Center for Conservation Incentives, Washington, DC, February 2004, 56 pp. (Friedman and Heimlich)
22. "[U.S. Experiences with Incentive Measures to Promote the Conservation of Wetlands](#)" ENV/EPOC/GEEI/BIO(97)9, Environment Directory, Environment Policy Committee, Organization for Economic Co-operation and Development, May 1999, 40 pp., (Wiebe, Claassen, and Gadsby).
21. "[Evaluation of Economic Costs and Benefits of Methods for Reducing Nutrient Loads to the Gulf of Mexico](#)," Chapter 6, Report to the Committee on Environment and Natural Resources, Office of Science and Technology Policy, November 1998, 173 pp. (Draft) (Doering, Diaz-Hermelo, Howard, Heimlich, Hitzhuzen, Kasmierczak, Libby, Milon, Prato, and Ribaud)
20. Who Gets What: Program Payments to U.S. Farmers. Internal paper for NRED Farm Bill Team, 1995 (Erickson, Heimlich, and Kascak)
19. "A Farm Model for Evaluating Nonpoint Source Pollution Abatement Programs." SP-94-03. Dept. of Ag and Applied Econ., Virginia Polytechnic Institute, 1994 (Bosch and Heimlich)
18. [An Explosion in Slow Motion: Noxious Weeds and Invasive Plants on Grazing Lands](#). Report of the Eighth Grazing Lands Forum, Washington, DC, December 2, 1993. (editor)
17. "America's Cropland: Where Does It Come From?" Agriculture: A Critical U.S. Industry, 1991 Yearbook of Agriculture, pp. 3-9 (Heimlich and Daugherty).
16. [Strategic Planning for Grazing Lands Issues](#). Report of the Fourth Grazing Lands Forum, Harpers Ferry, WV, October 30-November 2, 1989. (editor)
15. Effects and Recommendations Regarding the Conservation Title of the 1985 Food Security Act on Great Plains Agriculture. Report of the Great Plains Agricultural Council 1985 Food Security Act Task Force, March 1989. (contributor).
14. [Grazing Lands and the Conservation Reserve Program](#). Report of the Third Grazing Lands Forum, Harpers Ferry, WV, October 11-13, 1988. (editor)
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12. "Agriculture and Urban Areas in Perspective." The American Land: 1987 Yearbook of Agriculture, pp. 141-47.
11. Crop Yields and Net Income on Prime Farmland in New York. A.E. Research 84-21, Cornell University, November 1984. (Bills, Heimlich, and Stachowski).
10. Guidelines for Economic Analysis of Soil Erosion on Vermont Farms. Vermont Erosion Control and Runoff Management Study, July 1984.
9. Animal Waste and Water Pollution Potential in the SESAW Study Area, New Jersey. Technical Report to the New Jersey Statewide Erosion, Sediment, and Animal Waste Study, July 1983.
8. Sources and Control of Agricultural Soil Erosion--Tioughnioga Watershed, Cortland, Madison, and Onondaga Counties, New York. New York Special Cooperative River Basins Study, April 1983.
7. Sources and Control of Agricultural Groundwater Contamination in the Otter Creek-Dry Creek Watershed, Cortland, Madison, and Onondaga Counties, New York. New York Special Cooperative River Basins Study, April 1983.
6. Phosphorus Reduction and Farm Income: Modeling Efficient Responses to Phosphorus Loading Constraints on Vermont Dairy Farms. Vermont Agricultural Runoff Study, May 1982.
5. Water Quality Analysis: Normanskill Watershed. New York Special Cooperative River Basins Study, July 1981.
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T - (301) 498-0722

aceheimlich@comcast.net