

Oklahoma State University

**Environmental Sociology
Soc. 5463
Spring 2016
4:30-7:10 Tues.
S. Murray 439**

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Hours: Th 3-4 and by appt.**

The goal of this course is to provide a relatively comprehensive introduction to the field of environmental sociology, an area of inquiry that focuses on the relationship between society and the physical environment, including its historical development and several important contemporary topics and debates. It will *not*, however, cover crucial topics such as environmental justice and disasters because the Department has courses devoted to them, and for the same reason will give only partial coverage to work on the international dimensions of environmental problems.

The weekly *required* readings, listed on the remainder of the syllabus, will be posted on D2L. The “recommended” readings, noted with an asterisk, will not be posted. They are listed for those who wish to explore the weekly topics in more detail.

The course will be conducted as a seminar--although the instructor will often offer short overviews/comments, particularly early in the course, to help put the weekly readings into context--and students are expected to be prepared to discuss the assigned readings in depth. As reinforcement for adequate preparation, 20 percent of the course grade will be based on contributions (both quality and quantity) to class discussions. In addition, each week individual students will be assigned one of the required readings, and will prepare a short abstract of it to share with other members and then give a 10-12 minute presentation on the article. Your discussion should first provide a brief but adequate summary of the main points, key arguments, etc. of the article, and then your own evaluation of it—with the goal of stimulating in-depth class discussions. These outlines and presentations will count toward another 30 percent of your grade.

The remaining 50 percent of the grade will be based on a term paper that focuses on a topic of your own choosing, as long as it is highly relevant to the material covered in the course. The paper may range from 15 to 20 pages in length, but should provide an in-depth analysis of your chosen topic. Please give me a brief summary/outline of your proposed paper by March 1st, so that I can provide you with any necessary feedback concerning revising your focus and/or offer guidance to relevant literature. The final draft is due on Wednesday, May 4th, 5:00 pm.

The overall quality of a seminar clearly depends upon contributions from all participants, and your participation each week is vital. Students are expected to attend each week, and if an emergency/illness prevents this you should notify the instructor in advance. Missing more than one week without a very good excuse will lower your grade.

Week 1 (1/12) - Introduction to the Course

Week 2 (1/19) - Overview and Evolution of the Field of Environmental Sociology

- Riley E. Dunlap and William R. Catton, Jr. 1979. "Environmental Sociology." *Annual Review of Sociology* 5:243-273.
- Frederick H. Buttel. 1987. "New Directions in Environmental Sociology." *Annual Review of Sociology* 13:465-488.
- Michael Goldman and Rachel A. Schurman. 2000. "Closing the 'Great Divide': New Social Theory on Society and Nature." *Annual Review of Sociology* 26:563-584.
- Thomas K. Rudel, J. Timmons Roberts and JoAnn Carmin. 2011. "Political Economy of the Environment." *Annual Review of Sociology* 37:221-238.
- David N. Pellow and Hollie Nyseth Brehm. 2013. "An Environmental Sociology for the Twenty-First Century." *Annual Review of Sociology* 39:229-250.
- *Riley E. Dunlap and William R. Catton, Jr. 1994. "Struggling with Human Exemptionalism: The Rise, Decline and Revitalization of Environmental Sociology." *The American Sociologist* 25:5-30.
- *Riley E. Dunlap and Brent K. Marshall. 2006. "Environmental Sociology." Pp. 329-340 in C. D. Bryant and D. L. Peck (eds.), *21st Century Sociology: A Reference Handbook*, Vol. 2. Thousand Oaks, CA: Sage.
- *Dunlap, Riley E. 2015. "Environmental Sociology." Pp. 796-803 in James D. Wright (ed.), *International Encyclopedia of the Social and Behavioral Sciences*, 2nd Ed., Vol. 7. Oxford, UK: Elsevier.
- *William R. Freudenburg and Robert Gramling. 1989. "The Emergence of Environmental Sociology." *Sociological Inquiry* 59: 439-452.
- *Robert Gramling and William R. Freudenburg. 1996. "Environmental Sociology: Toward A Paradigm for the 21st Century." *Sociological Forum* 16:347-370.

Week 3 (1/26) - Paradigmatic Implications of Environmental Sociology

- William R. Catton, Jr. and Riley E. Dunlap. 1978. "Environmental Sociology: A New Paradigm." *The American Sociologist* 13:41-49.
- Frederick H. Buttel. 1978. "Environmental Sociology: A New Paradigm?" *The American Sociologist* 13:252-256.
- William R. Catton, Jr. and Riley E. Dunlap. 1978. "Paradigms, Theories and the Primacy of the HEP-NEP Distinction." *The American Sociologist* 13:256-259.
- William R. Catton, Jr. and Riley E. Dunlap. 1980. "A New Ecological Paradigm for Post-Exuberant Sociology." *American Behavioral Scientist* 24:15-47.
- Riley E. Dunlap. 2002. "Paradigms, Theories and Environmental Sociology." Pp. 329-350 in R. E. Dunlap, F. H. Buttel, P. Dickens and A. Gijswijt (eds.), *Sociological Theory and the Environment: Classical Foundations, Contemporary Insights*. Boulder, CO: Rowman & Littlefield.
- Paul Stevens. 2012. "Towards an Ecosociology." *Sociology* 46:579-595.

- *Riley E. Dunlap. 1980. "Paradigmatic Change in Social Science: From Human Exemptionalism to an Ecological Paradigm." *American Behavioral Scientist* 24:5-14.
- *Alwyn Jones. 1987. "The Violence of Materialism in Advanced Industrial Society: An Eco-Sociological Approach." *The Sociological Review* 35:19-47.
- *Anthony E. Ladd. 2003. "Sociology, Humanism, and the Environmental Crossroads: Bringing Nature Back In." *Humanity & Society* 27:516-528.
- *Jerry Williams. 2007. "Thinking as Natural: Another Look at Human Exemptionalism." *Human Ecology Review* 14:130-139.
- *Richard York and Philip Mancus. 2009. "Critical Human Ecology: Historical Materialism and Natural Laws." *Sociological Theory* 27:122-149.
- *Paul McLaughlin. 2012. "The Second Darwinian Revolution: Steps Toward a New Evolutionary Environmental Paradigm." *Nature and Culture* 7:23-258.
- *Tuuli Hirvilammi and Tuula Helne. 2014. "Changing Paradigms: A Sketch for Sustainable Wellbeing and Ecosocial Policy." *Sustainability* 6:2160-2175.
- *Brent Z. Kaup. 2015. "Markets, Nature, and Society: Embedding Economic & Environmental Sociology." *Sociological Theory* 33:280-296.

Week 4 (2/2) - Risk Society and Its Critics

- Frank Fischer. 1998. "Ulrich Beck and the Politics of the Risk Society." *Organization and Environment* 11:111-115 (book review for background-no one assigned for abstract/presentation).
- Ulrich Beck. 1992. "From Industrial Society to the Risk Society: Questions of Survival, Social Structure and Ecological Enlightenment." *Theory, Culture & Society* 9:97-123.
- Athony Elliott. 2002. "Beck's Sociology of Risk: A Critical Assessment." *Sociology* 36:293-315.
- Ulrich Beck. 2006. "Living in the World Risk Society." *Economy and Society* 35:329-345.
- Merryn Ekberg. 2007. "The Parameters of the Risk Society: A Review and Exploration." *Current Sociology* 55:343-366.
- Margarita V. Alario and William R. Freudenburg. 2010. "Environmental Risks and Environmental Justice, or How Titanic Risks are Not So Titanic After All." *Sociological Inquiry* 80:500-512.
- *Ulrich Beck, Wolfgang Bonss and Christop Lau. 2003. "The Theory of Reflexive Modernization: Problematic, Hypotheses and Research Programme." *Theory, Culture & Society* 20:1-33.
- *Ulrich Beck. 1996. "World Risk Society as Cosmopolitan Society? Ecological Questions in a Framework of Manufactured Uncertainties." *Theory, Culture & Society* 13: 1-32.
- *Ulrich Beck. 1992. *Risk Society: Towards a New Modernity*. Newbury Park, CA: Sage.
- *Roy Boyne. 2001. "Cosmopolis and Risk: A Conversation with Ulrich Beck." *Theory, Culture & Society* 18:47-63.
- *Uwe Engel and Hermann Strasser. 1998. "Global Risks and Social Inequality: Critical Remarks on the Risk-Society Hypothesis." *Canadian Journal of Sociology* 23:91-103.

*Brent Marshall. 1999. "Globalization, Environmental Degradation, and Ulrich Beck's Risk Society." *Environmental Values* 8:253-275.

*Scott Campbell and Greg Currie. 2006. "Against Beck: In Defence of Risk Analysis." *Philosophy of the Social Sciences* 36:149-172.

*Mark J. Lacy. 2002. "Deconstructing Risk Society." *Environmental Politics* 11:42-62.

Week 5 (2/9) - Ecological Modernization Theory and Its Critics

Arthur P. J. Mol. 1996. "Ecological Modernization and Institutional Reflexivity: Environmental Reform in the Late Modern Age." *Environmental Politics* 5:302-323.

Arthur P. J. Mol, Gert Spaargaren and David A. Sonnenfeld. 2013. "Ecological Modernization Theory: Taking Stock, Moving Forward." Pp. 15-30 in S. Lockie, D. A. Sonnenfeld and D. R. Fisher (eds.), *Routledge International Handbook of Social and Environmental Change*. London: Routledge.

David Schlosberg and Sara Rinfret. 2008. "Ecological Modernization, American Style." *Environmental Politics* 17:254-275.

Richard York, Eugene A. Rosa and Thomas Dietz. 2010. "Ecological Modernization Theory: Theoretical and Empirical Challenges." Pp. 77-90 in M. Redclift and G. Woodgate (eds.), *The International Handbook of Environmental Sociology*, 2nd. e^d. Cheltenham, UK: Edgar Elgar.

John Bellamy Foster. 2012. "The Planetary Rift and the New Human Exemptionalism: A Political-Economic Critique of Ecological Modernization Theory." *Organization & Environment* 25:211-237.

*Arthur P. J. Mol, David A. Sonnenfeld and Gert Spaargaren (eds.). 2009. *The Ecological Modernization Reader*. London: Routledge.

*Bruno Milanez and Ton Buhrs. 2007. "Marrying Strands of Ecological Modernization: A Proposed Framework." *Environmental Politics* 16:565-583.

*Paul McLaughlin. 2012. "Ecological Modernization in Evolutionary Perspective." *Organization & Environment* 25:178-196.

*Arthur P. J. Mol and Gert Spaargaren. 2000. "Ecological Modernization Theory in Debate: A Review." *Environmental Politics* 9:17-49.

*F. H. Buttel. 2000. "Ecological Modernization as Social Theory." *Geoforum* 31:57-65.

*Stephen G. Bunker. 1996. "Raw Material and the Global Economy: Oversights and Distortions in Industrial Ecology." *Society and Natural Resources* 9:419-429.

Week 6 (2/16) - The Social Constructivist Challenge to the "Materiality" of Environmental Sociology

Peter J. Taylor and Frederick H. Buttel. 1992. "How Do We Know We Have Global Environmental Problems? Science and the Globalization of Environmental Discourse." *Geoforum* 23:405-416.

Thomas Greider and Lorraine Garkovich. 1994. "Landscapes: The Social Construction of Nature and the Environment." *Rural Sociology* 59:1-24.

Phil Macnaghten and John Urry. 1995. "Towards a Sociology of Nature." *Sociology* 29:2-3-220.

- Kate Burningham and Geoff Cooper. 1999. "Being Constructive: Social Constructivism and the Environment." *Sociology* 33: 297-316.
- Rolf Lidskog. 2001. "The Re-Naturalization of Society? Environmental Challenges for Sociology." *Current Sociology* 49:113-136.
- *Luigi Pellizzoni. 2014. "Construction, Co-production, and Beyond: Academic Disputes and Public Concerns in the Recent Debate on Nature and Society." *Sociology Compass* 8:851-864.
- *John A. Hannigan. 1995. *Environmental Sociology: A Social-Constructionist Perspective*. London and New York: Routledge.
- *I. G. Simmons. 1993. *Interpreting Nature: Cultural Constructions of the Environment*. London and New York: Routledge.
- *Klaus Eder. 1996. *The Social Construction of Nature*. London: Sage.
- *Phil Macnaghten and John Urry. 1998. *Contested Natures*. London: Sage.

Week 7 (2/23) - Realist-Based Responses to "Strong" Constructivism (and Ontological Relativism)

- Riley E. Dunlap and William R. Catton, Jr. 1994. "Struggling with Human Exemptionalism: The Rise, Decline and Revitalization of Environmental Sociology." *The American Sociologist* 25:5-30 (last section is crucial).
- Raymond Murphy. 1994. "The Sociological Construction of Science Without Nature." *Sociology* 28:957-74.
- Ted Benton. 2001. "Environmental Sociology: Controversy and Continuity." *Sociologisk Tidsskrift* 9:5-48.
- Raymond Murphy. 2002. "The Internalization of Autonomous Nature into Society." *The Sociological Review* 50:313-333.
- Riley E. Dunlap. 2010. "The Maturation and Diversification of Environmental Sociology: From Constructivism and Realism to Agnosticism and Pragmatism." Pp. 15-32 in M. Redclift and G. Woodgate (eds.), *International Handbook of Environmental Sociology*, 2nd Ed. Cheltenham, UK: Edward Elgar.
- *Michael S. Carolan. 2005. "Society, Biology, and Ecology: Bringing Nature Back Into Sociology's Disciplinary Narrative Through Critical Realism." *Organization & Environment* 18:393-421.
- *Michael S. Carolan. 2004. "Realism without Reductionism: Toward an Ecologically Embedded Sociology." *Human Ecology Review* 12:1-20.
- *James Proctor. 1998. "The Social Construction of Nature: Relativist Accusations, Pragmatist and Critical Realist Responses." *Annals of the Association of American Geographers* 88:352-376.
- *David Demeritt. 2002. "What is the 'Social Construction of Nature'? A Typology and Sympathetic Critique." *Progress in Human Geography* 26:767-790.

Week 8 (3/1) - Toward Syntheses: Analyses of the Complexity of Societal-Environmental Relations and Coupled Human-Natural Systems (CHANS)

- William R. Freudenburg and Robert Gramling. 1993. "Socioenvironmental Factors and Development Policy: Understanding Opposition and Support for Offshore Oil Development." *Sociological Forum* 8:341-364.

- William R. Freudenburg, Scott Frickel and Robert Gramling. 1995. "Beyond the Nature/Society Divide: Learning to Think About a Mountain." *Sociological Forum* 10:361-392.
- Robert Gramling and William R. Freudenburg. 1996. "Crude, Coppertone®, and the Coast: Developmental Channelization and Constraint of Alternative Development Opportunities." *Society and Natural Resources* 9:483-506.
- Raymond Murphy and Riley E. Dunlap. 2012. "Beyond the Society/Nature Divide: Building on the Sociology of William Freudenburg." *Journal of Environmental Studies and Sciences* 2:7-17.
- Jianguo Liu, et al. 2007. "Complexity of Coupled Human and Natural Systems." *Science* 317:1513-1516.
- *Raymond Murphy. 2002. "Extreme Weather and the Energy Metabolism of the City." *Environment and History* 8:43-64.
- *Stephen R. Couch and Steve Kroll-Smith. 1994. "Environmental Controversies, Interactional Resources, and Rural Communities: Siting Versus Exposure Disputes." *Rural Sociology* 59:25-44.
- *William R. Freudenburg and Robert Gramling. 1994. *Oil in Troubled Waters*. Albany, NY: SUNY Press.
- *Jianguo Liu, et al. 2007. "Coupled Human and Natural Systems." *Ambio: A journal of the Human Environment* 36:639-649.
- *Graham Woodgate and Michael Redclift. 1998. "From a 'Sociology of Nature' to Environmental Sociology: Beyond Social Construction." *Environmental Values* 7:3-24.

Week 9 (3/8) - The Social Construction of Global Environmental Change & Climate Change

- Frederick H. Buttel and Peter J. Taylor. 1992. "Environmental Sociology and Global Environmental Change: A Critical Assessment." *Society and Natural Resources* 5:211-230.
- Sheldon Ungar. 1992. "The Rise and (Relative) Decline of Global Warming as a Social Problem." *Sociological Quarterly* 33:483-501.
- Allan Mazur. 1998. "Global Environmental Change in the News: 1987-90 vs. 1992-96." *International Sociology* 13: 457-72.
- Max Boykoff. 2008. "Lost in Translation: United States Television News Coverage of Anthropogenic Climate Change, 1995-2004." *Climatic Change* 86: 1-11.
- Steven Yearley. 2009. "Sociology and Climate Change after Kyoto: What Roles for Social Science in Understanding Climate Change." *Current Sociology* 57:389-405.
- *Jerry Williams and R. Scott Frey. 1997. "The Changing Status of Global Warming as a Society Problem: Competing Factors in Two Public Arenas." *Research in Community Sociology* 7:279-299.
- *Sheldon Ungar. 1995. "Social Scares and Global Warming: Beyond the Rio Convention." *Society and Natural Resources* 8:443-456.
- *Sheldon Ungar. 1998. "Bringing the Issue Back In: Comparing the Marketability of the Ozone Hole and Global Warming." *Social Problems* 45:510-527.
- *Craig Trumbo. 1996. "Constructing Climate Change: Claims and Frames in US News Coverage of an Environmental Issue." *Public Understanding of Science* 5:269-283.

SPRING BREAK (3/15)

Week 10 (3/22) - The "Deconstruction" of Climate Change by Industry, Conservative Think Tanks and Contrarian Scientists

Aaron M. McCright and Riley E. Dunlap. 2000. "Challenging Global Warming as a Social Problem: An Analysis of the Conservative Movement's Counter-Claims." *Social Problems* 47: 499-522.

Aaron M. McCright and Riley E. Dunlap. 2010. "Anti-Reflexivity: The American Conservative Movement's Success in Undermining Climate Science and Policy." *Theory, Culture and Society* 26:100-133.

Dunlap, Riley E. and Aaron M. McCright. 2015. "Challenging Climate Change: The Denial Countermovement." Pp. 300-332 in R.E. Dunlap and R.J. Brulle (eds.), *Climate Change and Society: Sociological Perspectives*. New York: Oxford University Press.

Robert J. Brulle. 2014. "Institutionalizing Delay: Foundation Funding and the Creation of U.S. Climate Change Counter-Movement Organizations." *Climatic Change* 122:681-694.

Justin Farrell. 2016. "Corporate Funding and Ideological Polarization about Climate Change." *Proceedings of the National Academy of Sciences* 113:92-97.

*Justin Farrell. 2016. "Network Structure and the Influence of the Climate Change Counter-Movement." *Nature Climate Change*. Published Online: 30 November 2015: DOI:10.1038/NCLIMATE2875.

*Aaron M. McCright and Riley E. Dunlap. 2003. "Defeating Kyoto: The Conservative Movement's Impact on U.S. Climate Change Policy." *Social Problems* 50:348-373.

*Dunlap, Riley E. and Aaron M. McCright. 2011. "Organized Climate-Change Denial." Pp. 144-160 in J.S. Dryzek, R.B. Norgaard and D. Schlosberg, (eds.), *Oxford Handbook of Climate Change and Society*. New York: Oxford University Press.

*Naomi Oreskes and Erik M. Conway. 2010. *Merchants of Doubt*. New York: Bloomsbury Press.

*James Lawrence Powell. 2011. *The Inquisition of Climate Science*. New York: Columbia University Press.

*James Hoggan with Richard Littlemore. 2009. *Climate Cover-up: The Crusade to Deny Global Warming*. Vancouver, BC: Greystone Books.

Week 11 (3/29) – Sociology and Climate Change: Diverse Perspectives

Constance Lever-Tracy. 2008. "Global Warming and Sociology." *Current Sociology* 56:445-466.

John Urry. 2010. "Sociology and Climate Change." *Sociological Review* 57:84-100.

Raymond Murphy. 2011. "The Challenge of Anthropogenic Climate Change for the Social Sciences." *International Review of Social Research* 1(3):167-181.

Stephen Zehr. 2014. "The Sociology of Global Climate Change." *WIREs Climate Change*. DOI:10.1002/wcc.328.

Robert J. Brulle and Riley E. Dunlap. 2015. "Sociology and Climate Change." Pp. 1-21 in R.E. Dunlap and R.J. Brulle (eds.), 2015. *Climate Change and Society: Sociological Perspectives*. New York: Oxford University Press.

- *Rosa, Eugene A. and Thomas Dietz. 1998. "Climate Change and Society: Speculation, Construction and Scientific Investigation." *International Sociology* 13:421-455.
- *Robert J. Antonio. 2009. "Climate Change, the Resource Crunch, and the Global Growth Imperative." *Current Perspectives in Social Theory* 26:3-73.
- *Reiner Grundmann and Nico Stehr. 2010. "Climate Change: What Role for Sociology?" *Current Sociology* 58:897-910.
- *Dunlap, Riley E. and Robert J. Brulle (eds.). 2015. *Climate Change and Society: Sociological Perspectives*. New York: Oxford University Press.
- *Anthony Giddens. 2009. *The Politics of Climate Change*. London: Polity Press.
- *Scott McNall. 2011. *Rapid Climate Change: Causes, Consequences and Solutions*. New York: Routledge.
- *John Urry. 2011. *Climate Change and Society*. Cambridge: Polity Press.

Week 12 (4/5) - Causes of Environmental Degradation (the POET, IPAT and STIRPAT models)

- Riley E. Dunlap, Loren A. Lutzenhiser and Eugene A. Rosa. 1994. "Understanding Environmental Problems: A Sociological Perspective." Pp. 27-49 in B. Burgenmeier (ed.), *Economy, Environment and Technology: A Socio-Economic Approach*. Armonk, NY: M.E. Sharp.
- Marian R. Chertow. 2001. "The IPAT Equation and Its Variants." *Journal of Industrial Ecology* 4:13-29.
- Thomas Dietz and Eugene A. Rosa. 1997. "Effects of Population and Affluence on CO2 Emissions." *Proceedings of the National Academy of Sciences* 94:175-179.
- Richard York, Eugene A. Rosa and Thomas Dietz. 2003. "Footprints on the Earth: The Environmental Consequences of Modernity." *American Sociological Review* 68:279-300.
- Richard York and Eugene A. Rosa. 2012. "Choking on Modernity: A Human Ecology of Air Pollution." *Social Problems* 59:282-300.
- *Richard York, Eugene A. Rosa, and Thomas Dietz. 2003. "STIRPAT, IPAT, and ImPACT: Analytic Tools for Unpacking the Driving Forces of Environmental Impacts." *Ecological Economics* 46: 351-365.
- *Marina Fischer-Kowalksi and Christof Amann. 2001. "Beyond IPAT and Kuznets Curves: Globalization as a Vital Factor in Analyzing the Environmental Impact of Socio-Economic Metabolism." *Population and Environment* 23:7-47.
- *Richard York, Eugene A. Rosa and Thomas Dietz. 2003. "A Rift in Modernity? Assessing the Anthropogenic Sources of Global Climate Change with the Stirpat Model." *International Journal of Sociology and Social Policy* 23:31-51.
- *John M. Shandra, Bruce London, Owen P. Whooley, and John B. Williamson. 2004. "International Nongovernmental Organizations and Carbon Dioxide Emissions in the Developing World: A Quantitative, Cross-National Analysis." *Sociological Inquiry* 74:520-545.

Week 13 (4/12) - Social-Structural Analyses of Environmental Degradation I: World Systems Theory and Ecologically Unequal Exchange

- Riley E. Dunlap and Andrew K. Jorgenson. 2012. "Ecological Problems." Pp. 476-485 in G. Ritzer (ed.), *The Wiley-Blackwell Encyclopedia of Globalization*, Vol. II. Oxford, UK: Wiley-Blackwell.
- J. Timmons Roberts and Peter E. Grimes. 2002. "World-System Theory and the Environment: Toward a New Synthesis." Pp. 167-194 in R. E. Dunlap, F. H. Buttel, P. Dickens and A. Gijswijt (eds.), *Sociological Theory and the Environment: Classical Foundations, Contemporary Insights*. Boulder, CO: Rowman & Littlefield.
- R. Scott Frey. 2003. "The Transfer of Core-Based Hazardous Production Processes to the Export Processing Zones of the Periphery: The Maquiladora Centers of Northern Mexico." *Journal of World-System Research* 9: 317-354.
- James Rice. 2007. "Ecological Unequal Exchange: Consumption, Equity, and Unsustainable Structural Relationships with the Global Economy." *International Journal of Comparative Sociology* 48:43-72.
- Andrew K. Jorgenson and Jennifer E. Givens. 2013. "The Emergence of New World-Systems Perspectives on Global Environmental Change." Pp. 31-44 in S. Lockie, D. A. Sonnenfeld and D. R. Fisher (eds.), *Routledge Handbook of Social and Environmental Change*. London and New York: Routledge.
- *Andrew K. Jorgenson. 2010. "World-Economic Integration: Supply Depots, and Environmental Degradation: A Study of Ecologically Unequal Exchange, Foreign Investment Dependence, and Deforestation in Less Developed Countries." *Critical Sociology* 36:453-477.
- *Andrew K. Jorgenson. 2012. "The Sociology of Ecologically Unequal Exchange and Carbon Dioxide Emissions, 1960-2005." *Social Science Research* 41:242-252.
- *J. Timmons Roberts. 1996. "Predicting Participation in Environmental Treaties: A World-System Analysis." *Sociological Inquiry* 66:38-57.
- *Andrew K. Jorgenson. 2003. "Consumption and Environmental Degradation: A Cross-National Analysis of the Ecological Footprint." *Social Problems* 50:374-394.
- *Andrew K. Jorgenson. 2006. "Unequal Ecological Exchange and Environmental Degradation: A Theoretical Proposition and Cross-National Study of Deforestation, 1990-2000." *Rural Sociology* 71:685-712.
- *Walter L. Goldfrank, David Goodman and Andrew Szasz (eds.). 1999. *Ecology and the World-System*. Westport, CT: Greenwood Press.
- *Andrew Jorgenson and Edward Kick (eds.). 2006. *Globalization and the Environment*. Leiden, the Netherlands: Brill.

Week 14 (4/19) - Social-Structural Analyses of Environmental Degradation II: The "Treadmill of Production"

- Allan Schnaiberg, David N. Pellow and Adam Weinberg. 2002. "The Treadmill of Production and the Environmental State." Pp. 15-32 in A. P. J. Mol and F. H. Buttel (eds.), *The Environmental State Under Pressure*. JAI Amsterdam: Press/Elsevier.
- Kenneth A. Gould, David N. Pellow and Allan Schnaiberg. 2004. "Interrogating the Treadmill of Production: Everything You Wanted to Know About the Treadmill but Were Afraid to Ask." *Organization and Environment* 17:296-316.

- Frederick H. Buttel. 2004. "The Treadmill of Production: An Appreciation, Assessment and Agenda for Research." *Organization and Environment* 17:323-336.
- Brian K. Obach. 2004. "New Labor: Slowing the Treadmill of Production?" *Organization & Environment* 17:337-354.
- Erik Olin Wright. 2004. "Interrogating the Treadmill of Production: Some Questions I Want to Know About and Am Not Afraid to Ask." *Organization & Environment* 17:317-322.
- *John Bellamy Foster. 2005. "The Treadmill of Accumulation." *Organization & Environment* 18:7-18.
- *Stephen G. Bunker. 2005. "How Ecologically Uneven Developments Put the Spin on the Treadmill of Production." *Organization & Environment* 18:38-54.
- *Allan Schnaiberg. 1980. *The Environment: From Surplus to Scarcity*. New York: Oxford University Press.
- *Allan Schnaiberg and Kenneth Gould. 1994. *Environment and Society: The Enduring Conflict*. New York: St. Martin's Press.

Week 15 (4/26) – Refining (Specifying) the Treadmill: Corporate Characteristics, Disproportionality, Ecological Rifts and the Jevons Paradox

- Harland Prechel and Lu Zheng. 2012. "Corporate Characteristics, Political Embeddedness and Environmental Pollution by Large U.S. Corporations." *Social Forces* 90:947-970.
- William R. Freudenburg. 2005. "Privileged Access, Privileged Accounts: Toward a Socially Structured Theory of Resources and Discourses." *Social Forces* 84:89-114.
- Brett Clark and Richard York. 2005. "Carbon Metabolism: Global Capitalism, Climate Change, and the Biospheric Rift." *Theory and Society* 34:391-428.
- Richard York and Julius Alexander McGee. 2016. "Understanding the Jevons Paradox." *Environmental Sociology*: In press.
- *Don Sherman Grant III, Andrew W. Jones and Albert J. Bergesen. 2002. "Organizational Size and Pollution: The Case of the U.S. Chemical Industry." *American Sociological Review* 67:389-407.
- *Don Grant, Andrew Jorgenson and Wesley Longhofer. 2013. "Targeting Electricity's Extreme Polluters to Reduce Energy-Related CO₂ Emissions." *Journal of Environmental Studies and Sciences* 3:376-380.
- *John Bellamy Foster. 1999. "Marx's Theory of Metabolic Rift: Classical Foundation for Environmental Sociology." *American Journal of Sociology* 105(2): 366-405.
- *Jason W. Moore. 2011. "Transcending the Metabolic Rift: A Theory of Crises in the Capitalist World-System." *Journal of Peasant Studies* 38(1): 1-46.
- *Richard York. 2006. "Ecological Paradoxes: William Stanley Jevons and the Paperless Office." *Human Ecology Review* 13:143-147.

Term papers due 5:00 p.m., Wednesday, May 4th