

Dr. Kristin Shrader-Frechette held senior professorships at the University of California and the University of Florida. She is now O'Neill Family Professor Emerita, Department of Biological Sciences and Department of Philosophy (Doctoral Program in Philosophy of Science) at the University of Notre Dame. She has mainly taught courses on Environmental Justice (EJ), Environmental Science, Public-Health Risks, Science and Ethics, and Quantitative Risk Assessment.

Until 2019 she directed the Notre Dame Center for Environmental Justice and Children's Health---dedicated to conducting pro-bono scientific research at the request of poor or minority communities impacted by disproportionate levels of environmental pollution. (Along with Dr. Shrader-Frechette, the center recently relocated to Los Angeles.) Kristin studied physics at Xavier University and graduated *summa cum laude*, with an undergraduate major in mathematics from Edgecliff College, Xavier University. When she received her PhD in philosophy of science from University of Notre Dame, her doctoral dissertation was on modeling in information theory, a branch of probability and statistics. As she began her career in environmental sciences, she completed three successive US National Science Foundation-funded post-docs, for 3, 1, and 2 years, respectively, in biology, economics, and hydrogeology. She has held Woodrow Wilson, National Science Foundation (NSF), and Carnegie Fellowships and has held offices/served on committees in the US National Academy of Sciences, the Risk Assessment and Policy Association, and the Philosophy of Science Association. Shrader-Frechette has been a member of many international and national boards and committees, including of the International Commission on Radiological Protection, US Environmental Protection Agency, National Council on Radiation Protection and Measurement, and the US National Academy of Sciences, especially its Board on Environmental Studies and Toxicology and its Committee on Risk Characterization.

In 2004 Shrader-Frechette became only the third American to win the World Technology Award in Ethics. Earlier a Harvard professor received it for his biomedical-ethics research, and a Princeton professor, for his development-ethics scholarship. She won for her research on environmental justice and public-health ethics. In 2007, *Catholic Digest* named her one of 12 "Heroes for the US and the World" because of her decades of pro-bono environmental-justice scientific work to protect children, minorities, and poor people from pollution. In 2011, Tufts University gave her the Jean Mayer Global Citizenship Award, again for her public-health and environmental-justice research and her pro-bono scientific assistance to environmental-justice communities. In 2023, she won the International COSMOS Prize, given yearly to a globally recognized environmental researcher; she won for the prize for her research on environmental justice (EJ).

Formerly Associate Editor of *BioScience*, for decades Shrader-Frechette was also Editor-in-Chief of the Oxford University Press book series on Environmental and Science Policy. She spent two terms on the US EPA Science Advisory Board and serves on the editorial boards of 23 professional journals. She also was the first female president of three international professional societies: the Risk Assessment and Policy Association, the Society for Philosophy and Technology, and the International Society for Environmental Ethics.

The US National Science Foundation (NSF) funded Shrader-Frechette's highly competitive research for 28 years, but the US Department of Energy, and the US National Endowment for the Humanities, also funded some work. Recently she finished research as PI on a \$224,000 NSF grant on worker exposure to ionizing radiation; as PI on another NSF grant on methodological problems in epidemiological statistics; and as project-team member for a \$ 3-million NSF grant, "Global Linkages of Biology, Environment, Society."

Most of Shrader-Frechette's research falls into three main areas: (1) methods of quantitative risk assessment, (2) quantitative risk assessment of commercial nuclear fission and radioactive- and toxic-waste management, and (3) environmental-justice assessment (examining how blue-collar workers, children, future generations, minorities, and poor people bear disproportionate, pollution-caused risk and health burdens). An enthusiastic teacher, Kristin also has won the annual university-wide award for "Outstanding Teacher."

Shrader-Frechette has published 17 books: *Nuclear Power and Public Policy* (1980, 1983); *Environmental Ethics* (1981, 1991); *Four Methodological Assumptions in Cost-Benefit Analysis* (1983); *Science Policy, Ethics, and Economic Methodology* (1984); *Risk Analysis and Scientific Method* (1985); *Nuclear Energy and Ethics* (1991); *Risk and Rationality* (1991); *Policy for Land* (1992); *Burying Uncertainty: Risk and the Case Against Geological Disposal of Nuclear Waste* (1993); *Method in Ecology* (1993); *The Ethics of Scientific Research* (1994), *Technology and Human Values* (1996), *Environmental Justice: Creating Equality, Reclaiming Democracy* (2002), *Taking Action, Saving Lives: Our Duties to Protect Environmental and Public Health* (2007), *What Will Work: Fighting Climate Change with Renewable Energy, Not Nuclear Power* (2011), and *Tainted: How Philosophy of Science Can Expose Bad Science* (2014).

She also has published more than 400 professional-journal articles. Her scientific analyses and experimental results have appeared in journals such as *Science*, *BioScience*, *Health Physics*, *Journal of Radiation Protection*, *Conservation Biology*, *Quarterly Review of Biology*, *OIKOS*, and *Trends in Ecology and Evolution*. Her work on scientific methods and ethics of science has appeared in philosophical journals such as *Ethics*, *Journal of Philosophy*, *Philosophy of Science*, and *Synthese*. She has also published in more applied journals such as *Modern Energy Review*, *Energy Policy Studies*, *IEEE Spectrum*, and *IEEE Technology and Society*.

Shrader-Frechette's books and articles have been translated into 13 languages: Chinese, Czech, Dutch, French, German, Hungarian, Italian, Japanese, Korean, Norwegian, Russian, and Spanish. Because of her many books, scientific articles, and federal research grants on toxic/hazardous wastes, she has been an invited consultant to many nations, including the US, on hazardous-waste-site cleanup and management.

Widely requested as a lecturer by university, government, and industrial groups in the Americas, Asia, Europe, China, India, Africa, and Russia, Shrader-Frechette has been invited to address the National Academies of Science in three countries. She also has served as an advisor to numerous governments and international organizations, including the United Nations and the World Health Organization.

Kristin and her husband Maurice, a PhD mathematician, have two children, Danielle and Eric, both US National Merit Scholarship winners, both honors graduates of Princeton University. Danielle is a 2012 Northwestern University law graduate, practicing law in Los Angeles, and Eric is a University of California MD/PhD who is practicing neurology in Los Angeles County. During her free time, Kristin enjoys ice skating, scuba diving, and mountain hiking. She continues scientific research and pro-bono EJ work, now mostly in the US.

Kristin Shrader-Frechette, *Curriculum Vitae*

Department of Philosophy and
 Department of Biological Sciences
 100 Malloy Hall, University of Notre Dame
 Notre Dame, IN 46556-5639

Personal: husband: Maurice Shrader-Frechette, PhD (math)
 children: Eric and Danielle
 hobbies: scuba diving, hiking, ice skating, piano

HIGHER EDUCATION

Xavier University		1966	physics
Edgecliff College, Xavier University	BA (summa cum laude)	1967	mathematics
University of Notre Dame	PhD	1972	philosophy of science
University of California, Santa Barbara	post-doc (1 year)	1982	economics
University of California, Santa Barbara	post-doc (2 years)	1983	hydrogeology
University of Florida	post-doc (3 years)	1986	biological sciences

EMPLOYMENT HISTORY

Edgecliff College, Xavier U.	Philosophy	1971-73	Assistant Professor
U. of Louisville	Philosophy, Natural Sciences	1973-82	Professor
U. of California, Santa Barbara	Philosophy of Science, Environ. Studies	1982-84	Professor
U. of Florida	Philosophy, Natural Sciences	1984-87	Professor
U. of South Florida	Philosophy, Environ. Sciences	1987-98	Distinguished Research Professor
U. of Notre Dame	Philosophy, Biological Sciences	1998-2019	O'Neill Family Professor
U. of Notre Dame	Philosophy, Biological Sciences	2019-present	O'Neill Family Professor Emerita

AWARDS

Woodrow Wilson National Fellowship	1967-1968
National Science Foundation Fellowship	1968-1971
Carnegie Foundation Fellowship in Philosophy of Science	1971
NDEA Fellowship in Philosophy of Mathematics (declined)	1967-1971
NDEA Fellowship in Philosophy of Science (declined)	1967-1971
Davidson Award, Outstanding Faculty Member, University of Louisville	1977
Kentucky's "Outstanding Young Woman" for 1977	1977
Visiting Philosopher, Council on Philosophical Studies	1980
NEH-NSF "Interdisciplinary Incentive Award"	1982
NSF "Scholar's Award in Philosophy of Science"	1982
US National Academy of Sciences-National Research Council Delegate, Int. Union of Hist. & Phil. of Science	1987
Visiting Philosopher, Council on Philosophical Studies	1987
Chair, Int. Geosphere-Biosphere Program, Int. Union of Hist. & Phi. of Science, Int. Conf. of Scientific Unions (ICSU)	1988-1991
1988 Mead-Swing Lecturer, Oberlin College	1989
1990 GTE Distinguished Lecturer, Michigan Technological University	1990
Chair, Science and Ethics Committee, International Conference of Scientific Unions (ICSU)	1990-1996
1991 Astra Lecturer, McGill University	1991
1991 GTE Distinguished Lecturer, Penn State University; Iowa State University	1991
1992 GTE Distinguished Lecturer, University of Virginia	1992
1993 Spencer Leavitt Lecturer, Union College	1993
1993 John XXIII Lecturer, University of the Pacific	1993
US National Research Council-National Academy of Sciences, Board on Environ. Studies & Toxicology	1993-1996
US National Research Council-National Acad. Sciences, Oversight Com., Envir. Monitor. & Assmt Program (EMAP)	1993-1996
Blue Ribbon Panel, US DOE Performance Evaluation of US Nuclear Facilities	1994-1996
US National Research Council-National Academy of Sciences, Committee on Risk Characterization	1994-1996
US National Research Council-National Academy of Sciences, Evaluation Comm., Zinc-Cadmium-Sulfide	1995-1996
Blue Ribbon Panel, US DOE Performance Evaluation of Sites for Mixed Nuclear Waste	1994-1997
President, Risk Assessment and Policy Association (RAPA)	1997-1999
US National Research Council-National Academy of Sciences, Committee on Ecosystems Services	2002-2003
President, International Society for Environmental Ethics (ISEE)	2000-2003
Catholic Digest Award, one of 12 "Heroes for the US and the World"	2007
US Environmental Protection Agency, Science Advisory Board	2003-2009
Kempelman Lecturer, Hebrew University, Jerusalem	2009
Golden Lecturer, Yale University	2009
Jean Mayer Global Citizenship Award, Tufts University	2011
Member, Ethics Community, US National Academy of Engineering	2012-present
Distinguished Simon Stevin Fellow, Dutch universities	2013
Hausser Lecturer, Montana State University	2014
Myser Lecturer, St. Catherine University, St. Paul, Minnesota	2016
Lifetime Achievement Award, Society for Philosophy and Technology	2023
2023 International COSMOS Prize for environmental research	2023

GRADUATE COURSES TAUGHT

Quantitative Risk Assessment	Ethics and Economic Methods	Methods of Philosophy	Ethics
Environmental Justice	Philosophy of the Social Sciences	Analytic Philosophy	Risk and Consent
Duties to Future Generations	Philosophy of the Natural Sciences	Science and Values	Analytic Epistemology

UNDERGRADUATE COURSES TAUGHT

Environmental Sciences	Mathematical Logic	Biomedical Ethics and Public Health Risk	Science and Ethics
Risk-Cost-Benefit Analysis	Philosophy of Economics	Ethics of Scientific Research	Policy Analysis
Public Health Risk Assessment	Philosophy of Ecology		Epistemology

EDITORIAL WORK

Editor-in-Chief,	Oxford University Press series, "Environmental and Science Policy," 1988-2019		
Editorial Board,	<u>Accountability in Research</u> , 2004-2019		
"	<u>Biological Theory</u> , 2004-2015		
"	<u>BioScience</u> , Associate Editor, 1994-2002		
"	<u>Business Ethics Quarterly</u> , 2002-2005t		
"	<u>Eco Spheres</u> , Norwegian Folkets Brevskole, 1993-2000		
"	<u>Encyclopedia of the Philosophy of Science</u> , 1996-2010		
"	<u>Environmental Values</u> , 1995-2010		
"	<u>Ethics and the Environment</u> , 1995-2010		
"	<u>Europaische Akademie</u> , 1999-2015		
"	<u>Global Health Perspectives</u> , 2012-present		
"	<u>Humanities and Technology</u> , 1980-2000		
"	<u>Journal of Applied Philosophy</u> , 2008-2015	<u>Journal of Law and Public Policy</u> , 1987-2010	
"	<u>Organization and Environment</u> , 1995-2005	<u>Philosophy and Technology</u> , 1986-present	
"	<u>Philosophy of Science</u> , 2009-present	<u>Poiesis and Praxis</u> , 1999-2010	
"	<u>Public Affairs Quarterly</u> , 1987-present	<u>Research in Philosophy & Technology</u> , 1982-present	
"	<u>Ralph Bunche Journal of Public Affairs</u> , 2013-present	<u>Risk, Regulation, and Policy</u> , 2009-present	
"	<u>Risk: Issues in Health and Safety</u> , 1991-2010	<u>Studies in Religion & the Social Order</u> , 1991-2000	
"	<u>Social Science Research Network</u> , 2009-present		
"	<u>Synthese: An International Journal in Logic, Epistemology, and Philosophy of Science</u> , 1993-present		
Advisory Board,	<u>American Philosophical Association Newsletter on Feminism and Philosophy</u> , 1992-2000		
"	Institute for Hydrology and Water Quality, 1995-present		
"	"Integration, Environmental Assessment, and Environmental Indicators, EPA, 1992-2015		
"	International Society for Environmental Ethics, 1995-2010		
"	National Council on Science and the Environment, 2011-present		
"	Ontario Society for Environmental Ethics, 1994-2000		
"	Planet Central TV Cable Network (environmental issues), 1993-2015		
"	Technology, Risk, and Society: An International Series in Risk Analysis, 1983-2015		
"	"Vision for 2100," PBS TV series on the environment, 1993-2015		
Article Referee,	<u>Biology and Philosophy</u> , 1993-present		
"	<u>Behavioral Science</u> , 1975-2000		
"	<u>British Journal for the Philosophy of Science</u> , 2007-present		
"	<u>Bulletin of the Ecological Society of America</u> , 1995-present		
"	<u>Conservation Biology</u> , 1993-present		
"	<u>Economics and Philosophy</u> , 1992-2010		
"	<u>Energy Policy Studies</u> , 1984-2015		
"	<u>Environment International</u> , 1985-2000		
"	<u>Environmental Health</u> , 2012-present		
"	<u>Environmental Health Perspectives</u> , 2005-present		
"	<u>Environmental Management</u> , 1985-2000		
"	<u>Environmental Professional</u> , 1995-2010		
"	<u>Environmental Science and Technology</u> , 1996-2015		
"	<u>Ethics</u> , 1987-2015		

EDITORIAL WORK (continued)

Article Referee (contd.)	<p><u>Hypatia</u>, 1988-2000 <u>Journal of the American Public Health Association</u>, 2007-present <u>Journal of Business Ethics</u>, 1983-2010 <u>Journal of Medical Ethics</u>, 2008-2010 <u>Newsletter on Philosophy and Technology</u>, 1995-2000 <u>Philosophy and Economics</u>, 1992-2005 <u>Philosophy of Science</u>, 1977-present <u>Risk Analysis</u>, 1985-present <u>Science</u>, 1982-present <u>Science, Technology, and Human Values</u>, 1980-present <u>Society and Natural Resources</u>, 1989-present <u>Synthese</u>, 1984-present</p>	
Book Referee,	<p>Cambridge University Press, 1991-present Macmillan Publishers, 1984-present Oxford University Press, 1987-present Rowman and Littlefield, 1991-present University of Arizona Press, 1991-present University of Georgia Press, 1994-present Yale University Press, 1994-present</p>	<p>Kluwer Academic Publishers, 1981-present MIT Press, 1981-present Prentice-Hall, 1984-present Temple University Press, 1992-present University of California Press, 1984-present University Press of Kansas, 1992-present</p>
Panelist, Referee,	<p>EPA, Atmospheric Research and Exposure Assessment, 1992-2005 National Endowment for the Humanities, 1979-present National Science Foundation, 1980-present</p>	
Program Committee,	<p>1981 American Philosophical Association meeting 1986, 1998, 1996, 2004, 2006 Philosophy of Science Association meeting, Program Committee 1995 Chair, Science Ethics Committee, 10th Congress of Logic, Methodology, Philosophy of Science 1997 Chair, Program Committee, Risk Assessment and Policy Association Meeting 1998 Chair, World Congress of Philosophy, Section on Philosophy and Technology</p>	

MEMBERSHIPS

American Philosophical Association, Advisory Committee on Ethics, 1989-1992
Daughters of the American Revolution
Humanities and Technology Association; Board, 1980-1990
International Society for Environmental Ethics; Nominating Committee 1992-present, President, 2000-2003
Phi Beta Kappa
Philosophy of Science Association; Nominating Committee, 1981-1982; Program Committee, 1986, 1998, Editorial Board, 2009-present
Risk Assessment and Policy Association, 1994-present; President, 1995-1998
Society for Philosophy and Technology; Vice-President-President-Elect, 1983-1985; President, 1985-1987
US National Academy of Sciences-National Research Council, Board on Environmental Studies and Toxicology, 1993-1996
US National Academy of Sciences-National Research Council, Comm. on EPA Environmental Monitoring & Assessment Program, 1993-95
US National Academy of Sciences-National Research Council, Committee on Risk Characterization, 1994-1996
US National Academy of Sciences-National Research Council, Committee to Evaluate Zinc-Cadmium-Sulfide, 1995-1997

SELECTED GRANTS

2005-2010	Project Team, <u>National Science Foundation (NSF)</u> , "Global Linkages of Biology, Environment, Society"
2007-2009	Principal Investigator (PI), NSF, SES-0724781, "Three Methodological Rules in Risk Assessment"
2000-2003	PI, NSF, SES-98-10611, "Nuclear Technology, Ethics, and Worker Radiation Risk"
1996-1999	PI, NSF, SBR-9512133, "Values and Ecological Risk Assessment"
1992-1995	PI, NSF, SBE-91-12661, "Environment, Uncertainty, and Preservation Policy"
1992-1993	PI, NSF, DIR-91-12445, "Laws & Explanation in Community Ecology"
1992	PI, <u>US Department of Energy and Nevada NWPO</u> , Grant DE-FG08-85-NV10461, "Risk Assessment, Expert Judgment, and Impacts of a Yucca Mountain Repository"
1991-1992	PI, <u>US Dept. of Energy and Nevada NWPO</u> , 685873, 9.3.7, 4-C, "Expert Judgment in Assessing Radwaste Risks"
1986-1990	PI, NSF, BBS-86-159533, Normative Concepts in Ecology, Consequences for Policy
1987	Recipient, <u>NSF and National Research Council</u> , Travel Grant, "8th International Congress on Logic, Methodology, and Philosophy of Science," Moscow, USSR
1983-1984	PI, NSF, Grant ISP-82-09517, "Ethical Issues in Siting Radioactive Waste Facilities"
1982	PI, NSF, SES-82-05112, "4 Methodological Assumptions in Risk-Cost-Benefit Analysis"
1981	Recipient, NSF Travel Grant, "German-American Colloquium, Philosophy & Technology"
1980-1981	PI, <u>University of Louisville</u> , Research Grant, "Public Policy and Radioactive Waste"
1979	PI, <u>University of Louisville</u> , Research Grant, "Nuclear Policy"
1977-1978	PI, <u>University of Louisville</u> , Research Grant, "Conceptual Difficulties in High-Energy Physics"
1976-1977	Project Team Member, <u>Environmental Protection Agency</u> , Grant R-804848-01, "Ohio River Basin Energy Study"
1974-1975	PI, <u>Kentucky Humanities Council</u> , "Should Nuclear Power Plants Be Built in Environs of Louisville?"

REFEREED PUBLICATIONS

(1) BOOKS, PUBLISHED

- (1) Tainted: How Philosophy of Science Can Expose Bad Science (New York: Oxford University Press, 2014); available at Oxford Scholarship Online at www.oup.com/uk/oso
- (2) What Will Work: Fighting Climate Change with Renewable Energy, Not Nuclear Power (New York: Oxford University Press, 2011); available at Oxford Scholarship Online at www.oup.com/uk/oso
- (3) Taking Action, Saving Lives: Our Duties to Protect Environmental and Public Health (New York: Oxford University Press, 2007); available at Oxford Scholarship Online at www.oup.com/uk/oso
- (4) Environmental Justice: Creating Equality, Reclaiming Democracy (New York: Oxford University Press, 2002), 269 pp.; available at Oxford Scholarship Online at www.oup.com/uk/oso; Italian translation forthcoming.
- (5) Technology and Human Values, coedited with Laura Westra (Savage, MD: Rowman and Littlefield, 1997), 472 pp.
- (6) The Ethics of Scientific Research (Savage, MD: Rowman and Littlefield, 1994), 243 pp.
- (7) Method in Ecology: Strategies for Conservation Problems, coauthored with biologist Earl D. McCoy (Cambridge: Cambridge University Press, 1993), 328 pp.⁴
- (8) Burying Uncertainty: Risk and the Case Against Geological Disposal of Nuclear Waste (Berkeley: University of California Press, 1993), 346 pp.⁶ Available at www.netlibrary.com.
- (9) Policy for Land: Law and Ethics, coauthored with political scientist Lynton K. Caldwell (Savage, MD: Rowman and Littlefield, 1993), 333 pp.
- (10) Expert Judgment in Assessing Radwaste Risks (Carson City, Nevada: Nuclear Waste Project Office/US Department of Energy, 1992), 225 pp.⁶
- (11) Risk and Rationality (Berkeley: University of California Press, 1991), 312 pp. Available at www.netlibrary.com. Italian edition, Valutare il rischio: Strategie e metodi di un approccio razionale, translated by C. Poli and F. Bizzotto (Milano: Guerini & Associati, 1993), pp. 297. Japanese edition, Risuku to Goorise, translated by Tsuyoshi Matsuda (Kyoto: Showado, 2007).
- (12) Nuclear Energy and Ethics, edited volume (Geneva: World Council of Churches, 1991), 233 pp.
- (13) Risk Analysis and Scientific Method: Methodological Ethical Problems with Evaluating Societal Hazards (Boston: Kluwer, 1985), 232 pp.²
- (14) Science Policy, Ethics, and Economic Methodology: Some Problems with Technology Assessment and Environmental-Impact Analysis (Boston: Kluwer, 1984), 321 pp. (Italian translation is forthcoming).
- (15) Four Methodological Assumptions in Risk-Cost-Benefit Analysis (Springfield, Virginia: National Technical Information Service, 1983), 242 pp.²
- (16) Environmental Ethics (Pacific Grove, California: Boxwood Press, 1981); second edition 1991, 358 pp.; Japanese translation: Koyo Shobo (Tokyo: the English Agency, 1992). Korean translation, by Il Bang Kim, to be published by Myung Jin Dang.
- (17) Nuclear Power and Public Policy: Social and Ethical Problems with Fission Technology (Boston: Kluwer, 1980): second edition, (1983). Spanish Translation: Politica y energia nuclear: Problemas eticos y sociales de la tecnologia de fision, trans. J.L. Rey-Barreau (Madrid: Alianza Editorial, 1983), 176 pp.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

2 This work was done, in part, thanks to National Science Foundation Grant SES82-05112.

3 This work was done, in part, thanks to National Science Foundation Grant ISP-82-09517.

4 This work was done under National Science Foundation Grant Number BBS-8619533.

5 This work was done under US Department of Energy Grant Number DE-FG08-85-NV10461.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED¹

2024

- (18) “Finkel, Johnson, and Empirical Elicitations of Risk Magnitudes,” Human and Ecological Risk Assessment 2024, 30 (7-8): 763-782, <https://doi.org/10.1080/10807039.2024.2402805>
- (19) “Improving Quantitative Risk Assessment, Stopping Environmental Injustice, International Cosmos Prize 2023, ed. Sumi Kazuo, President, and Expo '90 Foundation (Osaka, Japan: Expo '90 Foundation, 2024).
- (20) “Unjust, Human-Caused Pollution Drives Most Premature Health Harm,” Oxford Handbook in Environmental Ethics, 4th edition, ed. D. Schmitz, D. Shahar (New York: Oxford University Press, 2024).

2023

- (21) “A Science-Based Agenda for Health-Protective Chemical Assessments and Decisions: Overview and Consensus Statement.” With Woodruff TJ, ... Zeise L. Environmental Health 2023, 21(Suppl 1):132, <https://doi.org/10.1186/s12940-022-00930-3>.
- (22) “Addressing Systemic Problems with Exposure Assessments to Protect the Public’s Health.” With Vandenberg LN, Rayasam SDG ... Woodruff TJ. Environmental Health 2022, 21:121, <https://doi.org/10.1186/s12940-022-00917-0>.
- (23) “Kristin Shrader-Frechette: Confronting Environmental Injustice,” Interview by Michael Greenberg and Karen Lowrie, Risk Analysis 2023, 43: 1301-1309, <https://doi.org/10.1111/risa.14174>

2022

- (24) “Does Hazardous-Waste Testing Follow Technical Guidance, Thus Help Protect Environmental Justice and Health?” Int. J. Environ. Res. Public Health 2022, 19, 7679. <<https://doi.org/10.3390/ijerph19137679>>, <<https://pubmed.ncbi.nlm.nih.gov/35805338/>>.
- (25) “Health Risks from Supposedly Remediated US Hazardous-Waste Sites: An Early-Warning Signal.” Adv Environ Eng Res 2022;3(3):41; doi:10.21926/aeer.2203032.

2021

- (26) “Health Misinformation about Toxic-Site Harm: The Case for Independent-Party Testing to Confirm Safety,” with Andrew Biondo, Int. J. Environ. Res. Public Health 2021, 18(8):3882, doi: [10.3390/ijerph18083882](https://doi.org/10.3390/ijerph18083882)
- (27) “Data-Quality Assessment Signals Toxic-Site Safety Threats and Environmental Injustices,” with Andrew Biondo, Int. J. Environ. Res. Public Health 2021, 18 (4):2012, doi: [10.3390/ijerph18042012](https://doi.org/10.3390/ijerph18042012)

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED¹

2020

- (28) "Using Routine, Independent, Scientific-Data Audits as an Early-Warning for Potentially Fraudulent Toxic-Site Cleanup," with Timothy Meade, Accountability in Research 2020, 27(1):1-31. doi: 10.1080/08989621
- (29) "Protecting Children from Toxic Waste: Data-Usability Evaluation Can Deter Flawed Cleanup," with Andrew Biondo, Int. J. Environ. Res. Public Health 2020, 17, 424. doi: 10.3390/ijerph17020424

2019

- (30) "Environmental Ethics," Oxford Handbook in Environmental Ethics, ed.D. Schmitz, D. Shahar, Oxford U Press, 2019, pp. 420-432.
- (31)

2018

- (32) "Human Rights against Serious Harm by Polluters Versus Protecting 'Susceptible; Populations'," American Journal of Bioethics 18, no.3 (2018):29-41.
- (33) "Economic Growth, Human Development, and Welfare," with A. M. Amexquita, Simon Caney, et al. in Social Progress for the 21st Century, vol. 1, ed. O. Bouen, M. Fleurbaey, et al, (Cambridge: Cambridge University Press, 2018), pp.141-186.
- (34) "Normative Philosophy of Science: Responding to Special-Interest Science," Axiomathes: Epistemologia 28, no. 6 (2018): 679-693; DOI: 10.1007/s10516-018-9402-6
- (35) "Using Computer Models to Mischaracterize Situations of Bayesian Uncertainty about Serious Threats," in Information, Communication, and Automation-Technology Ethics, ed. Spyros Tzafestas (Hauppauge, NY: NovaScience, Ch. 9.

2017

- (36) "How Some Scientists and Engineers Contribute to Environmental Injustice," US National Academy of Engineering: The Bridge 47, no. 1 (2017): 36-44.
- (37) "Pesticides, Neurodevelopmental Disagreement, and Bradford Hill's Guidelines," with C. ChoGlueck, Accountability in Research 24, no. 1 (2017):30-42; doi: 10.1080/08989621.2016.1203786
- (38) "Ethical Energy Choices," Oxford Handbook in Environmental Ethics, ed. A. Thompson, S. Gardner, Oxford U Press, 2017, pp. 391-403.
- (39) "Mischaracterizing Uncertainty in Environmental Health Sciences," Diametros 53(2017): 96-124 doi:10.13153/diam.53.0.1103
- (40) "Review of Martin Peterson, *The Ethics of Technology: A Geometric Analysis of Five Moral Principles*," Notre Dame Philosophical Reviews (October 2017); <http://ndpr.nd.edu/news/the-ethics-of-technology-a-geometric-analysis-of-five-moral-principles/>

2016

- (41) "Uncertainty Analysis, Nuclear Waste, and Million-Predictions," in Sven Ove Hansson and Gertrude Hirsch Hardorn, eds., The Argumentative Turn in Policy Analysis (New York: Springer, 2016), pp. 291-304.
- (35) "La objetividad y los deberes profesionales con respecto a la Ciencia y la Tecnología," (Objectivity and Professional Duties reardina Science and Technoloav). Factotum: Revista de Filosofía 16. no. 2 (2016). 1989-9082

2015

- (36) "Flawed Science Delays Smelter Cleanup and Worsens Health," with M. Spear and R. Thomas, Accountability in Research 22, no. 1 (2015): 41-60; doi: 10.1080/08989621.2014.939746.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED¹

2015, continued

- (37) "Resolving Scientific Controversy over Smelter Risks and Neurodegenerative Effects of Metals," with R. Thomas, AIMS Environmental Science 2, no. 1 (2015): 42-72; doi: 10.3934/environsci.2015.1.42 .
- (38) "Flawed Scientific-Evidence Standards and Diesel Regulations, with A. Pusateri, Accountability in Research, 22, no. 3 (2015): 162-191.
- (39) "Wearing Glaucon's Ring, Stopping Invisible Pollution Harms: Epigenetic Toxins, Child Malprogramming, Disease-Dysfunction," in XXIII World Congress of Philosophy Philosophy as Inquiry and Way of Life, ed. Konstantine Boudouris,
- (40) "Technology and Environment: Keynote Paper," in Technology and Environment, edited by Costas Dimitracopoulos and Evangelos Protopapadakis (Bowling Green, Ohio: Philosophy and Documentation Center, 2015), pp. 281-286.
- (41) "Taking Action on Developmental Toxicity: Scientists; Duties to Protect Children," in Environmental Hazards and Neurodevelopment, ed. C. Croft (Waretown, NJ: Apple Academic Press, 2015), pp. 307-338.

2014

- (42) "Ostanobntb Jekologzhchesknn Vrel..." ("Taking Action to Stop Pollution Harm to Children and Future Generations"), translated into Russian by Galina Belkina Frolova, Chelovek: Russian Academy of Sciences, no. 3 (2014); also reprinted in New Results in the Human Sciences (Moscow: URSS Publishers, 2014), pp. 250-258.
- (43) "Managing Biomass Risks: Flawed Science, Flawed Ethics, and Flawed Regulations," Ethics and Risk Management, ed. L. Svedin (Charlottesville, NC: Information Age Publishing, 2014).
- (44) "Liberation Science and the Option for the Poor," in The Preferential Option for the Poor, Beyond Theology, ed. D. Groody and G. Gutierrez (Notre Dame: University of Notre Dame Press, 2014), pp. 120-148.
- (45) "Ethical Scapegoating: How Polluters Blame the Victims of their Environmental Injustice," published in English and in Chinese, Green Thought and Environmental Politics, ed. by Morgan Chih-Tung Huang and Ruey-Chyi Hwang (Beijing: ASIAWORLD, 2014).
- (46) "Hazardous Wastes and Toxic Substances," in Encyclopedia of Bioethics, fourth edition, edited by Bruce Jennings (editor in chief), Lisa Eckenwiler, Gregory Kaebnick, Barbara Koenig, Sheldon Krinsky, Stephen Latham, and Mark Mercurio, vol. 3 (New York: MacMillan, 2014), pp. 1391-1398.

2013

- (47) "Biomass and Effects of Airborne Ultrafine Particulates: Lessons About State Variables in Ecology," Biological Theory 8, no. 1 (April 2013): 44-48; DOI 10.1007/s13752-013-0094-2.
- (48) "Renewable Technologies and Environmental Injustice: Subsidizing Bioenergy, Promoting Inequity," with Whitney Preisser, Environmental Justice 6, no 3(June 2013): 88-93.
- (49) "Addressing Climate Change with Renewable Energy," Humanities in Social Challenges, ed. K. Drotner (Brussels: Science Europe, 2013), pp. 16-17.
- (50) "Answering 'Scientific' Attacks on Ethical Imperatives: Wind and Solar versus Nuclear Solutions to Climate Change," Ethics and the Environment 18, no. 1:1-18.
- (51) "Environmental Injustice Inherent in Radiation Dose Standards," chapter 12, in Social and Ethical Aspects of Radiation Risk Management, ed. Deborah Oughton and Sven Ove Hanssen (Waltham, Massachusetts: Elsevier, 2013), pp. 197-213.³
- (52) "Pollution Wolves in Scientific Sheep's Clothing: Why Environmental-Risk Assessors and Policymakers Ignore the 'Hard Issues' of the Human Rights of Pollution Victims," in Cindy Holder and David Reidy (eds), Human Rights: The Hard Questions (Cambridge: University Press, 2013), pp. 246-268.
- (53) "Review of Sandra Mitchell, "Unsimple Truths: Science, Complexity, and Policy," British Journal for the Philosophy of Science (2013) 64(2): 449-453.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED¹

2013, continued

- (54) "Climate Change and Fossil-Fueled Attacks on Science: Michael Mann, The Hockey Stick and the Climate Wars," Metascience 22, no. 3 (November 2013): 637-40; DOI 10.1007/s11016-013-9776-4.

2012

- (55) "Randomization and Rules for Causal Inferences in Biology: When the Biological Emperor (Significance Testing) Has No Clothes," Biological Theory 6, no. 2 (2012):154-161; (DOI:10.1007/s13752-012-0021-y).²
- (56) "Research Integrity and Conflicts of Interest: The Case of Unethical Research-Misconduct Charges Filed by Edward Calabrese," Accountability in Research 19, no. 4 (2012):220-242 (DOI:10.1080/108989621.2012.700882).
- (57) "Nuclear Catastrophe, Disaster-Related Environmental Injustice, and Fukushima: Prima Facie Evidence for a Japanese 'Katrina'," Environmental Justice 5, no. 3 (June 2012): 133-139 doi:10.1089/env.2011.0045.
- (58) "Emissions, Economics, and Equity: Problems with Nuclear Solutions to Climate Change," Topics in Contemporary Philosophy, vol. 9, Environmental Philosophy, Matt Slater and Michael O'Rourke, (Cambridge: MIT Press, 2012), pp. 245-276.³
- (59) "Taking Action on Developmental Toxicity: Scientists' Duties to Protect Children," Environmental Health 11:61 (10 September 2012); doi:10.1186/1476-069X-11-61.
- (60) "Environmental-Justice Whistleblowers Versus Industry Retaliators: Dow Chemical, Union Carbide, and Edward Calabrese," Environmental Justice 6, no. 2 (2012): 214-218.

2011

- (61) "Symmetrical Transparency in Science," by Kristin Shrader-Frechette and Naomi Oreskes, Science 332, no. 6030 (6 May 2011): 663-664. DOI: 10.1126/science.332.6030.663.
- (62) "Cheaper, Safer Alternatives than Nuclear Fission," Bulletin of the Atomic Scientists (August 2011); available online at <http://www.thebulletin.org/web-edition/roundtables/nuclear-energy-different-other-energy-sources#rt8801>.³
- (63) "Ecología y ética ambiental," ed. John R. Boatright, Joseph Carens, Thomas Clarke et al., Valores y ética para el siglo XXI (Madrid: BBVA, 2011), pp. 387-423. English translation: "Ecology and Environmental Ethics," ed. by John R. Boatright, Joseph Carens, Thomas Clarke et al., Values and Ethics for the 21st Century (Madrid: BBVA, 2011), pp. 369- 401.
- (64) "Fukushima, Flawed Epistemology, and Black-Swan Events," Ethics, Policy, and Environment 14, no. 3 (2011):267-272.²
- (65) "Myths about Nuclear Reliability, Radiation, and Markets," Bulletin of the Atomic Scientists (September 2011); online at <http://www.thebulletin.org/web-edition/roundtables/nuclear-energy-different-other-energy-sources#rt8801>.³
- (66) "Analyzing Public Participation in Risk Analysis," Environmental Justice, 3, no. 4 (2011):119-123.
- (67) "Climate Change, Nuclear Economics, and Conflicts of Interest," Science and Engineering Ethics 17 (2011): 75-107.
- (68) "La Unificación de la Bioética por medio de la Incorporación de la Ética en la Salud Pública," En Busca de una Bioética Compartida, ed. Juvenal Vargas Lopez (Mexico City: Hombrey Mundo, 2011), pp. 121-163.
- (69) "Review of Carl Cranor, Legally Poisoned: How the Law Puts Us at Risk from Toxicants," Notre Dame Philosophical Review (December 7, 2011); available at <http://ndpr.nd.edu/news/27636-legally-poisoned-how-the-law-puts-us-at-risk-from-toxicants>

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.
2 This work was begun, in part, thanks to National Science Foundation Grant SES-0724781
3 This work was begun, in part, thanks to National Science Foundation Grant SES-98-10611

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED, continued¹

2010

- (70) "Nuclear Waste: Knowledge Waste," by Gene Rosa, K. Shrader-Frechette, et al., Science 329, no. 5993 (13 August 2010): 762-63.
- (71) "Response," authored with Eugene Rosa, et al, Science 330 (22 October 2010): 448-449.
- (72) "Conceptual Analysis and Special-Interest Science: Toxicology and the Case of Edward Calabrese," Synthese 177 (2010): 449-469.
- (73) "The Environmental versus the Poor," Environmental Justice 3, no. 2 (June 2010): 49-50.
- (74) "Environmental Injustice, Climate Change, and Nuclear Power: Flawed Standards for Ionizing Radiation," Journal of Applied Ethics and Philosophy 2 (2010): 1-11.
- (75) "Why Study Environmental Ethics?" in David Keller (ed.), Environmental Ethics: The Big Questions (London: Blackwell, 2009),42-44, 55-56.
- (76) "The Library Mosaic," in The Notre Dame Book, ed. Heidi Schlumpf and Notre Dame CM (Notre Dame, IN: Ave Maria Press, 2010),133-134.
- (77) "Review of Zack's Ethics for Disaster," Ethics 120, no. 2 (2010): 426-29.

2009

- (78) "Greenhouse Emissions and Nuclear Energy," Modern Energy Review 1, no.1 (August 2009): 54-57.
- (79) "Philosophy and Risk Assessment," Metascience 18, no 2 (2009): 297-301.
- (80) "Data Trimming, Nuclear Emissions, and Climate Change," Science and Engineering Ethics 15 (2009):19-23.
- (81) "Environmental Injustice in Nuclear-Plant Siting," coauthored with Mary Alldred, Environmental Justice 2, no. 2, doi:10.1089/env.2008.0544 (June 2009): 85-96.²
- (82) "Resource Ownership and Property Rights," in Relationship with the Land, ed. Mark Anderson-Wilk (Ankeny, Iowa: Soil and Water Conservation Society, 2009), pp. 33-41.

¹ This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

² This work was done, thanks to National Science Foundation Grant SES 0724781, "Three Methodological Rules in Risk Assessment."

³ This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED, continued¹

2008

- (83) "Statistical Significance in Biology: Neither Necessary Nor Sufficient for Hypothesis-Acceptance," Biological Theory 3, no. 1 (2008): 12-16.²
- (84) "Ideological Toxicology: Invalid Logic, Science, and Ethics about Low-Dose Exposures," Biological Effects of Low- Level Exposures 14, no. 4 (January 2008): 3-47; also in Human and Experimental Toxicology 27 (2008): 647-57.²
- (85) "Evidentiary Standards and Animal Data," Environmental Justice, 1, no. 3 (2008):139-144.²
- (86) "Making A Sound Case against Scientific Misrepresentation of Pollution Harms," Children Youth, and Environments 18, no.2 (2008); available at <http://thunder1.cudenver.edu/cyejournal/item.pl?n=39>.
- (87) "Ethics and Radiation Risk to Astronauts," in G. Hargrove and R. Frodeman (eds.), Space Science, Environmental Ethics, and Policy, in press.
- (88) "Manipulating Science, Harming Children," in Gerald Mckenny (ed.), Commerce, Politics, and Science (Notre Dame: University of Notre Dame Press, 2008).
- (89) "A Defense of Risk-Cost-Benefit Analysis," in A.J. Vaidya and Fritz Allhoff (ed.), Business in Ethical Focus (Peterborough, Ontario: Broadview Press, 2008), pp. 214-224.
- (90) "Colored Town and Liberation Science," in Holy Ground: A Gathering of Voices on Caring for Creation, ed. Diana Landau and Lyndsay Moseley (San Francisco: Sierra, 2008), pp. 218-229.
- (91) "Five Myths about Nuclear Energy," America 198, no. 20 (June 23,2008): 12-16.
- (92) Review of Michael Northcott, A Moral Climate: The Ethics of Global Warming, America 198, no. 10 (March 24,2008): 24- 25.
- (93) Review of Jonathan Wolff and Avner De-Shalit, Disadvantage, Notre Dame Philosophical Reviews (February 9, 2008); available at <http://ndpr.nd.edu/review.cfm?id=12305>

2007

- (94) "Relative Risk and Methodological Rules for Causal Inferences," Biological Theory 2, no. 4 (2007): 332-336.²
- (95) "Flawed Ethics Recommendations by EPA's Human Studies Review Board," Environmental Health Perspectives 115, no.1 (January 2007): A2.
- (96) "Trimming Exposure Data, Putting Radiation Workers at Risk: Improving Disclosure and Consent through a National Radiation Dose Registry," American Journal of Public Health 97, no. 9 (2007),1782-1786.³

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

2 This work was done, in part, thanks to National Science Foundation Grant SES 0724781, "Three Methodological Rules in Risk Assessment."

3 This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED, continued¹

2007, continued

- (97) "EPA's 2006 Human-Subjects Rule for Pesticide Experiments," Accountability in Research 14, no. 4 (2007): 211- 254.
- (98) "Human Rights and Duties to Alleviate Environmental Injustice: the Domestic Case," Journal of Human Rights 6 (2007): 1- 24.
- (99) "A Defense of Risk-Cost-Benefit Analysis," in A.J. Vaidya and F. Allhoff (eds.), Business and Professional Ethics (Peterborough, Ontario: Broadview Press, 2007).
- (100) "Preface" (to the Japanese edition of Kristin Shrader-Frechette's Risk and Rationality), Risuku to Goorise, translated by Tsuyoshi Matsuda (Kyoto: Showado, 2007), pp. iii-ix.
- (101) "Nanotoxicology and Default Rules Under Uncertainty," Nanoethics 1 (2007): 47-56.
- (102) Review of Pellow's and Brulle's Power, Justice, and the Environment, Ecological Economics 63, no.1 (15 June 2007): 243-244.

2006

- (103) "Gene Patents and Lockean Constraints," Public Affairs Quarterly 20, no. 2 (April 2006):135-161.
- (104) "Comparativist Philosophy of Science and Population Viability Assessment in Biology," Philosophy of Science 73, no. 5 (December 2006): 817-828.
- (105) "Ecologists' Duties and Environmental Justice," Ecological Society of America Bulletin 88, no. 2 (October 2006):192- 193.
- (106) "Natural Rights and Human Vulnerability," in John Inglis (ed.), Aquinas (volume in International Library of Essays in the History of Social and Political Thought) (Aldershot, UK: Ashgate, 2006), pp. 261-286.
- (107) "Ethical Issues in Technology," in Blackwell Encyclopedia of Business Ethics, ed. Stephen Post (New York: Macmillan, 2006), pp. 511-513.
- (108) "Urhajo-etika," in Etika, ed. A. Votisky (Budapest, Hungary: L'Harmattan Publishers, 2006).
- (109) "Metascience, Technique, and Radiobiology," in Nature, Truth, and Value, ed. George and Merle Allshouse (Lanham, MD: Lexington Books, 2006), 271-286.³
- (110) "Comparative Risk Assessment and the Naturalistic Fallacy," in Alex Wellington and Ron Pushchak (eds.), Environmental Law in Social Context (Concord, Ontario: Captus Press, 2006).
- (111) "Environmental Impact Assessment and the Fallacy of Unfinished Business," in Alex Wellington and Ron Pushchak (eds.), Environmental Law in Social Context (Concord, Ontario: Captus Press, 2006).
- (112) "Review of Sunstein, Laws of Fear," Ethics and International Affairs 20, no.1 (2006):123-125.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

2 This work was done, in part, thanks to National Science Foundation Grant SES 0724781, "Three Methodological Rules in Risk Assessment."

3 This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED, continued

2005

- (113) "Property Rights and Genetic Engineering," Science and Engineering Ethics 11, no.1 (2005):137-149.
- (114) "Conservation Biology," Philosophy of Science, ed. Sahotra Sarkar and Jessica Parker (London: Routledge, 2005).
- (115) "Flawed Attacks on Contemporary Human Rights," Human Rights Review, 7, no.1 (2005), 92-110.
- (116) "Radiobiology and Gray Science: Flawed New Radiation Protections," Science and Engineering Ethics 11, no. 2 (2005): 167-169.
- (117) "Environmental Ethics," Philosophy of Science, ed. Sahotra Sarkar and Jessica Parker (London: Routledge, 2005).
- (118) "Objectivity and Professional Duties," Science, Technology, and Society, ed. Wenceslao Gonzalez (A Coruna, Spain: University of A Coruna, 2005), pp. 51-82.
- (119) "Mortgaging the Future: Dumping Ethics with Nuclear Waste," Science and Engineering Ethics 11, no. 4 (October 2005): 518-520.
- (120) "How to Reform Science and Technology," Science, Technology, and Society, (A Coruna, Spain: University of A Coruna, 2005), ed. Wenceslao Gonzalez, pp. 107-134.
- (121) "Ethical Issues in Technology," in P. H. Werhane and R. E. Freeman, eds. Business Ethics: The Blackwell Encyclopedia of Management: Business Ethics (Oxford: Blackwell, 2005), pp. 511-513.

2004

- (122) "Using Metascience to Improve Dose-Response Curves in Biology," Philosophy of Science, 71, no. 5 (December 2004): 1026-1037.
- (123) "Measurement Problems and Florida Panther Models," Southeastern Naturalist, 3, no.1 (2004): 37-50.
- (124) "Comparativist Rationality and Epidemiological Epistemology," Topoi 2 (September-October 2004):153-163.
- (125) "Models in Panther Biology and Radiobiology: Philosophy of Science as Scientific Citizenship," Philosophy Today 48, no. 5 (2004): 96-108.
- (126) "Ethics and Choosing Appropriate Means to an End," coauthored with mathematician Roger Cooke, Risk Analysis 24, no.1 (2004):145-154
- (127) "Deep-History Perspective on Biological Invasions," coauthored with biologist David Lodge, Conservation Biology, 18, no.1 (February 2004):1-2.
- (128) "John Rawls and Behavior under Uncertainty," in Carlos Julio Pajaro, Philosophy in the Twentieth Century: Homage to John Rawls (Barranquilla, Columbia: Ediciones Uninorte, 2004).

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

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7 This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED, continued

2004, continued

- (115) "Ethical Theory versus Unethical Practice," Environmental Ethics and Law, ed. Robert J. Goldstein (Aldershot, UK: Ashgate, 2004), pp. 593-614.
- (116) "La justicia medioambiental, los pueblos indigenas y el problema del paternalismo," in Gobernar los riesgos, ed. Jose Luis Lujan y Javier Echeverria (Madrid: Biblioteca Nueva, 2004), pp. 225-250.
- (117) "Locke and Property Rights," Environmental Philosophy: Critical Concepts, eds. B. Callicott, C. Palmer (London: Routledge), in press.
- (118) "Holism and Environmental Ethics," Environmental Philosophy: Critical Concepts, eds. B. Callicott and Clare Palmer (London: Routledge), in press.
- (119) "Catherine, Mildred, and Teaching at the Rainbow Cleaners," in For the Love of Teaching, ed. George Howard (Notre Dame: Academic Publications, 2004), pp. 32-39.
- (120) "Hazardous Wastes and Toxic Substances," Encyclopedia of Bioethics, Third Edition, ed. Stephen Post (New York: MacMillan, 2004), pp.
- (121) "Risk-Cost-Benefit Analysis," in Encyclopedia of Science, Technology, and Ethics, ed. Carl Mitcham (New York: Macmillan, 2004), in press.
- (122) "Review of Sunstein, Risk and Reason," Ethics 114, no. 2 (January 2004): 376-380.

2003

- (123) "Nonindigenous Species: Ecological Explanation, Environmental Ethics, and Public Policy," co-authored with biologist David Lodge, Conservation Biology 17, no.1 (February, 2003): 32-37.
- (124) "Response to Donlan and Martin: Invasive Species, Holocene Bias, Clovis and Columbus," co-authored with biologist David Lodge, Conservation Biology 17, no.1 (February, 2003): 31.
- (125) "Environmental Ethics," in Oxford Handbook for Practical Ethics, ed. Hugh LaFollette (Oxford: Oxford University Press, 2003), pp. 188-218.
- (126) "Ethical Issues in Environmental and Occupational Health," Ethics and Public Health, ed. Bruce Jennings, Jeffrey Kahn, Anna Mastroianni, and Lisa Parker (Washington, DC: Assn. of Schools of Public Health, 2003), pp. 193-240.⁷
- (127) "Environmental Justice, Supererogation, and Virtue Ethics," Technology and Cultural Values, ed. Peter Herschok, M. Stepaniants, and R. T. Ames (Honolulu: University of Hawaii Press, 2003), pp. 265-278.
- (128) "Autobiography of a Whistle blower," in Singing in the Fire: Stories of Women in Philosophy, ed. By L.M. Alcoff (Savage, MD: Rowman and Littlefield, 2003), pp. 135-152.
- (129) "Review of Sunstein, Risk and Reason," Notre Dame Philosophical Review (2003): 495-496.
- (130) "Review of Sunstein, Risk and Reason," Quarterly Review of Biology, (December 2003).
- (131) "Review of Comstock, Vexing Nature: On the Ethical Case against Agricultural Biotechnology," Journal of Value Inquiry (2003):127-129.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

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7 This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED, continued

2002

- (132) "Dose Assessment and the Compensating Wage Differential," Health Physics 82, no. 6 (June 2002): S184.
- (133) "Ethical, Logical, and Scientific Problems with the New ICRP Proposals," co-authored with physicist Lars Persson, Journal of Radiation Protection 22, no. 2 (June 2002): 149-162; available at www.iop.org/EJ/S/UNREG/epi6t9vwl9RazP3gK.Z.dA/toc/0952-4746/22/2.⁷
- (134) "Natural Rights and Human Vulnerability: Aquinas, MacIntyre, and Rawls," Public Affairs Quarterly 16, no. (April 2002): 99-124.
- (135) "Risky Business: Nuclear Workers, Ethics, and the Market-Efficiency Argument," Ethics and the Environment 7, no. 1 (Spring 2002):1-23.⁷
- (136) "Radiation Protection and the Ethics of Worker Exposures," co-authored with physicist Lars Persson, Mid-Year Proceedings, Health Physics Society: Decommissioning and Environmental Restoration, ed. Leilyn Perri (Orlando: Health Physics Society, 2002); available at www.hps.org.⁷
- (137) "Trading Jobs for Health: Ionizing Radiation, Occupational Ethics, and the Welfare Argument," Science and Engineering Ethics 8, no. 2 (2002):139-154.⁷
- (138) "Methodological Problems with the Yucca Mountain Environmental Impact Statement," in Department of Energy, EIS for a Geological Repository, vol. iii (Las Vegas: DOE, 2002); available at www.ymp.gov/documents/feis~com/feis~d.htm#s.
- (139) "Quantitative Risk Assessment and Value Judgments," in Environmental Law in Social Context, ed. Allan Greenbaum, Alex Wellington, and Ron Pushchak (North York, Ontario: Captus Press, 2002)
- (140) "Biocentrism, Biological Science, and Ethical Theory," in Land, Value, and Community, ed. James Hill and Wayne Ouder Kirk (Albany: State University Press of New York, 2002), pp. 85-95.
- (141) "Review of DeShalit, The Environment in Theory and in Practice," Ethics 112, no. 2 (January 2002): 364-366.

2001

- (142) "Using a Thought Experiment to Clarify a Radiobiological Controversy," Synthese: An International Journal for Epistemology, Methodology, and Philosophy of Science 128 (2001): 319-342.
- (143) "Radiobiological Hormesis, Methodological Value Judgments, and Metascience," Perspectives on Science 8, no. 4 (2001): 367-379.⁷
- (144) "Non-Indigenous Species and Ecological Explanation," Biology and Philosophy 16, no. 4 (2001): 507-519.
- (145) "Workplace Pollution: Nuclear Safety, Ethics, and the Exploitation-Avoidance Argument," Risk: Health, Safety, Environment 12 (Fall 2001): 311-334.⁷
- (146) "An Evaluation of the Ethical Principles of the ICRP's Radiation Protection Standards for Workers," coauthored with physicist Lars Persson, Health Physics 80, no. 3 (March 2001): 225-234.⁷

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

2 This work was done, in part, thanks to National Science Foundation Grant SES82-05112.

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7 This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED, continued

2001, continued

- (147) "MacIntyre on Human Rights," The Modern Schoolman LXXIX, no.1 (November 2001):1-21.
- (148) "Ethical Problems in Radiation Protection," coauthored with physicist Lars Persson, Swedish Radiation Protection Society Reports 11 (2001):1-39.⁷
- (149) "Ethics and the Rights of Natural Objects," in R. Chadwick and D. Schroeder, eds., Applied Ethics, vol. 4 (New York: Routledge, 2001): 305-316.
- (150) "Agricultural Ethics," in Encyclopedia of Ethics, vol. 1, second edition, ed. L. C. and C. B. Becker (New York: Routledge Garland Publishing Company, 2001), pp. 45-48.
- (151) "Land Ethics," in Encyclopedia of Ethics, vol. 2, second edition, ed. L. C. and C. B. Becker (New York: Routledge, 2001), pp. 952-954.
- (152) "Technology," in Encyclopedia of Ethics, vol. 3, second edition, ed. L. C. and C. B. Becker (New York: Routledge, 2001), pp. 1687-1690.
- (153) "Practical Ecology and Foundations for Environmental Ethics," in C. Koggel, ed., Moral Issues in Global Perspective, Broadview,
- (154) "A Defense of Risk-Cost-Benefit Analysis," in Environmental Ethics, ed. David Schmditz and Elizabeth Willott, Oxford University Press, in press.
- (155) "Methodological Problems with the Yucca Mountain Environmental Impact Statement," in U.S. Department of Energy, Environmental Impact Statement for a Geological Repository... at Yucca Mountain, Nye County, Nevada (Las Vegas, US DOE, 2001), vols. II-III, EIS 001522.
- (156) "Comparative Risk Assessment and the Naturalistic Fallacy," Environmental Law in Social Context, ed. A. Greenbaum, Alex Wellington, and Ron Pushchak (North York, Ont.: Captus Press, 2001), pp. 383-384.
- (157) "Environmental Risk Assessment and the Fallacy of Unfinished Business," Environmental Law in Social Context, ed. Alex Greenbaum, Alex Wellington, and Ron Pushchak (North York, Ont.: Captus Press, 2001), pp. 318-323.
- (158) "Quantitative Risk Assessment and Value Judgments," Environmental Law in Social Context, ed. A. Greenbaum, Alex Wellington, and Ron Pushchak (North York, Ont.: Captus Press, 2001).
- (159) "Defending the ICRP Principles: Response to Professor Klaus Becker," StrahlenschutzPraxis, co-authored with physicist Lars Persson, 7, no. 3 (2001): 80-82.⁷
- (160) "Response to Dr. J. H. Dunster," Health Physics 81, no. 4 October 2001): 465-467.⁷
- (161) "Defending the ICRP Principles," Response to Dr. Andrew Karam, co-authored with physicist Lars Persson, Strahlenschutz Praxis 47, no. 3 (2001): 85-87.⁷
- (162) "Individualism, Holism, and Environmental Ethics," in Ethics and the Environment, ed. Richard Wilk (New York: New York University Press, 2001): 55-69.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

2 This work was done, in part, thanks to National Science Foundation Grant SES82-05112.

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7 This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED PUBLICATIONS, continued
(2) REFEREED ARTICLES PUBLISHED, continued

2001, continued

- (163) "Review of Weston, An Invitation to Environmental Ethics," Ethics 1111, no. 2 (January 2001): 459.
- (164) "Review of Wallace, The Environment 2," Quarterly Review of Biology 76, no. 4 (December 2001): 512.

2000

- (165) "Duties to Future Generations, Proxy Consent, Intra- and Inter-Generational Equity," Risk Analysis 20, no. 6 (December 2000): 771-778.
- (166) "Global Systems Models and Ecological Understanding," in Scientific Models, ed. Erwin Neuenschwander (Zurich: Geschichte der Naturwissenschaften, 2000), pp. 51-57.
- (167) "Environmental Justice and Procedural Safeguards," coauthored with Sean Walsh, University of Arizona Law Review 42, no. 2 (Summer 2000): 525-540.
- (168) "Science and Responsibility," Issues in Science and Technology 17, no.1 (Fall 2000):17-22.
- (169) "Retaliation Against Whistleblowers," Philosophy and Social Action 26, no. 4 (October-December 2000): 43-56.
- (170) "Defending the ICRP Principles of Radiation Protection," coauthored with physicist Lars Persson, Strahlenschutz Praxis 6, no. 4 (November-December 2000), 47-49.⁷
- (171) "Procedural Justice and Radiation Protection," in Ethical Issues in Radiation Protection, ed. Lars Persson (Stockholm, Swedish Radiation Protection Institute, 2000), pp. 39-48.⁷
- (172) "Radiation Risk, Scientific Ethics, and Editorial Censorship," coauthored with Lars Persson, Philosophy and Social Action 26, nos. 1-2 (January-June 2000): 73-84.⁷
- (173) "Equal Protection, Children, and Radiation Standards," coauthored with M.I. de Melo Martin, in Children and Radiation, ed. S. Stephens, and T. Christensen (Trondheim: Norwegian Center for Child Research, 2000), pp. 159-182.
- (174) "Ecology and Environmental Philosophy," A Companion to Environmental Philosophy, ed. D. Jamieson (New York: Blackwell, 2000), pp. 304-315.
- (175) "Ethics and the Challenge of Low-Dose Exposures," Environmental Challenges to Business, ed. Joel Reichart and Patricia Werbane (Charlottesville, VA, Society for Business Ethics, 2000), pp. 304-315.
- (176) "Methodological Problems with the Yucca Mountain Environmental Impact Statement," in U.S. Department of Energy, Environmental Impact Statement for a Geological Repository, vol. 3 (Washington, DC: US DOE, 2000).
- (177) "Ethics and Environmental Advocacy," Environmental Ethics and Forestry, ed. P. List (Philadelphia, Temple University Press, 2000), pp. 209-221.
- (178) "Reading the Riddle of Nuclear Waste: Idealized Geological Models and Positivist Epistemology," in Robert Frodeman (ed.), Earth Matters (Upper Saddle River, NJ: Prentice Hall, 2000), pp. 11-24.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

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REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED

2000, continued

- (179) "Community Ecology, Population Biology, and the Method of Case Studies," coauthored with ecologist Earl D. McCoy, in The Philosophy of Ecology: From Science to Synthesis, ed. by Frank Golley and David Keller (Athens: University of Georgia Press, 2000) pp. 147-152.
- (180) "Justice and Environmental Advocacy," Reflections 4 (April 2000) 4-5.
- (181) "Review of Callicott, Beyond the Land Ethic," Ethics 111, no.1 (October 2000): 200.

1999

- (182) "Molecular Systematics, Ethics, and Biological Decisionmaking Under Uncertainty," coauthored with ecologist Earl D. McCoy, Conservation Biology 13, no. 5 (October 1999):1008-1012.
- (183) "Cancer-Risk Models and Statistical Casualties," Politics and the Life Sciences 18, no. 2 (September 1999): 255- 256.
- (184) "Low-Level Chemical Exposures and High-Level Risks," Organization and Environment 12, no.1 (1999):117-122.
- (185) "Expert Decisionmaking in Risk Analysis: The Case of the Yucca Mountain Facility," in Kjell Andersson (ed.), Values in Decisions on Risk (Stockholm: European Commission, 1999), pp. 14-22.
- (186) "Giustizia ambientale, etica e risoluzione dei conflitti," in Pierpaolo Foggi e Angelo Turco (eds.), Conflitti Ambientali (Milan: Edizioni Unicopli,1999), pp. 79-104.
- (187) "Chernobyl, Global Environmental Justice, and Mutagenic Threats," in Global Ethics and the Environment, ed. Nicholas Low (London: Routledge,1999), pp. 70-89.
- (188) "Reductionist Philosophy of Technology," Techne: Journal of the Society for Philosophy and Technology 5, no. 1 (Fall 1999), pp. 32-43; available at <http://scholar.lib.vt.edu/ejournals/SPT/>.

1998

- (189) "Chemical Sensitivities: A Second Look," BioScience 48, no. 12 (December 1998):1045-1046.
- (190) "Ethical Theory versus Unethical Practice," Ethics and the Environment 3, no. 2 (1998):119-130.
- (191) "First Things First: Balancing Scientific and Ethical Values in Environmental Science," Annals of the Association of American Geographers 88, no. 2 (1998): 287-289.
- (192) "What Risk Management Teaches Us About Ecosystem Management," Landscape and Urban Planning 40, nos. 1-3 (1998): 141-150.
- (193) "Future Generations and the Social Contract," in Engineering, Ethics, and the Environment, ed. Aarne Vesilind and Alastair Gunn (Cambridge: Cambridge University Press, 1998), pp. 178-186.
- (194) "Uncertainty and the Producer Strategy," in Regulation, ed. Robert Baldwin, Colin Scott, and Christopher Hood (Oxford: Oxford University Press, 1998), pp. 270-287.

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REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED

1998, continued

- (195) "Sustainability and Environmental Ethics," in Ecological Sustainability and Integrity, ed. John Lemons, Laura Westra, and Robert Goodland (London: Kluwer, 1998), pp. 16-30.
- (196) "Hazardous and Toxic Substances," in Encyclopedia of Applied Ethics, vol. 2, ed. Ruth Chadwick (San Diego, CA: Academic Press, 1998), pp. 525-532.
- (197) "Risk," in Encyclopedia of Philosophy, ed. E. Craig (London: Routledge, 1998), pp. 331-334.
- (198) "Risk Assessment," in Encyclopedia of Philosophy, ed. E. Craig (London: Routledge, 1998), pp. 334-338.
- (199) "Introduction: The Importance of Evaluating Assessments of In-Vitro Fertilization," in Making Babies: Biomedical Technologies, Reproductive Ethics, and Public Policy, by I. de Melo-Martin (London: Kluwer, 1998), pp. xi-xii.
- (200) "Nuclear Power," in Encyclopedia of Applied Ethics, ed. R. Chadwick (San Diego: Academic, 1998), pp. 343-351.
- (201) "A Defense of Risk-Cost-Benefit Analysis," in Louis Pojman (ed.), Environmental Ethics (Portola Valley, CA: Jones and Bartlett, 1998), pp. 507-514.
- (202) "Ecological Sense and Environmental Nonsense," Reflections, Special Issue 3 (Summer 1998):11-12.
- (203) "Practical Ecology and Foundations for Environmental Ethics," in Moral Issues in Global Perspectives, ed. C. M. Koggel (Orchard Park, NY: Broadview Press, 1998), pp. 783-792.
- (204) "Review of Chemical Exposures: Low Levels and High Stakes," by Ashford and Miller, Environment 40, no. 8 (October 1998): 26-27.

1997

- (205) "Hydrogeology and Framing Questions Having Policy Consequences," Philosophy of Science 64 (Supplement 1997): S149-S160.
- (206) "Ethical Issues in Radiation Protection," coauthored with physicist Lars Persson, Health Physics 73, no. 2 (August 1997): 378-382.
- (207) "Ecological Risk Assessment and Ecosystem Health: Fallacies and Solutions," Ecosystem Health (1997):1-9.
- (208) "Academy Recommendations on the Proposed Yucca Mountain Waste Repository: Overview and Criticisms," Risk 8 (Winter 1997): 25-38.
- (209) "How Some Risk Frameworks Disenfranchise to Public," Risk 8 (Winter 1997):1-8.
- (210) "Amenazas tecnologicas y soluciones democraticas," Ciencia, tecnologia y sociedad, ed. Marta I. Gonzalez Garcia, Jose A. Lopez Cerezo, and Jose Luis Lujan (Barcelona: Editorial Ariel, S. A., 1997), pp. 225-236. Castellana translation by Marta I. Gonzalez Garcia.

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REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED

1997, continued

- (211) "The Precautionary Principle: Scientific Uncertainty and Type-I and Type II Errors," coauthored with Carl Cranor and John Lemons, Foundations of Science 2 (1997): 207-236.
- (212) "Ecological Theory Is Problematic," in Environmental Biology, ed. Byron Lamont (Perth, Australia: Curtin University of Technology, 1997).
- (213) "Elite Folk Science and Environmentalism," Organization and Environment 10, no.1 (March 1997): 23-25.
- (214) "Risk-Benefit Analysis," in Safety Engineering, ed. Manuel Belino (Manila, Philippines: De La Salle University, 1997).
- (215) "Ethical Issues in Technology," in Blackwell Encyclopedic Dictionary of Business Ethics, ed. P. Werhane and Edward Freeman (Cambridge, MA: Blackwell, 1997).
- (216) "An Apologia for Activism," in The Environmental Ethics and Policy Book, 2nd ed., ed. C. Pierce and D. DeVeer (Wadsworth, 1997).
- (217) "Review of Deborah G. Mayo Error and the Growth of Experimental Knowledge," Risk 8 (Fall 1997): 409-410.
- (218) "Review of Deborah G. Mayo Error and the Growth of Experimental Knowledge," Endeavor 21, no. 4 (1997):177.
- (219) "Review of Peter Dorman, Markets and Mortality," Economics and Philosophy 13 (October 1997): 348-351.
- (220) "Review of Ike Jeanes, Forecast and Solution: Grappling with the Nuclear," Journal of Agricultural and Environmental Ethics 10 (1997): 82-84.
- (221) "Review of Larry Laudan, The Books of Risks," Philosophy of Science 64, no. 3 (1997): 521-524.

1996

- (222) "Nuclear Waste: The Academy and Million-Year Estimates," Quarterly Review of Biology 71, no. 3 (1996): 381-385.
- (223) "Throwing Out the Bathwater of Positivism, Keeping the Baby of Objectivity: Relativism and Advocacy in Conservation Biology," Conservation Biology 10, no. 3 (June 1996): 912-914.
- (224) "Science Versus Educated Guessing," BioScience 46, no. 7 (July/August 1996): 488-489.
- (225) "Judge for Yourself," BioScience 46 (November 1996): 730-31.
- (226) "Environmental Justice and Native Americans: The Mescalero Apache and Monitored Retrievable Storage," Natural Resources Journal 36, no. 4 (Fall 1996): 943-954.
- (227) "Calculated Risks," Trends in Ecology and Evolution 11, no. 3 (March 1996):144.
- (228) "Individualism, Holism, and Environmental Ethics," Ethics and the Environment 1, no.1 (1996): 51-66.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

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REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED

1996, continued

- (229) "Environmental Activism and the Duties of Scholars to Create Change," in Deep Ecology in the High Arctic, ed. E.S. Larsen and R. Buzza (Longyearbyen: Norwegian Polar Institute, 1996), pp. 63-74.
- (230) "Global Responsibility and Active Ethical Advocacy," Philosophy and Social Action 22, no. 3 (July-Sept.1996): 9- 13.
- (231) "Scientific Ethics," in Encyclopedia of Physics, ed. John S. Rigden (New York: MacMillan, 1996), pp. 523-525.
- (232) "Social Responsibility," in Encyclopedia of Physics, ed. John Rigden (New York: Macmillan,1996), pp. 1448-1450.
- (233) "Environmental Justice: A Louisiana Case Study," coauthored by Daniel Wigley, J. Agricultural and Environmental Ethics 8, no. 3 (April 1996): 61-82.
- (234) "Comparative Risk Assessment and the Naturalistic Fallacy," in Readings in Environmental Science, ed. Michael McKinney and Parri Shariff (Glenview, IL: West Publishing, 1996).
- (235) "Biological Explanations and Environmental Expectations," in Rooted in the Land, ed. Wes Jackson and William Vitek (New Haven: Yale University Press, 1996), pp. 161-166.
- (236) "Value Judgments Involved in Verification and Validation of Risk Assessment Models," in Handbook for Environmental Risk Decisionmaking, ed. C. Richard Cothorn (Boca Raton, FL: Lewis Publishers, 1996), pp. 291-309.
- (237) "Methodological Rules for Four Classes of Scientific Uncertainty," in Scientific Uncertainty and Environmental Problem Solving, ed. John Lemons (New York: Blackwell, 1996), pp. 12-39.
- (238) "Environmental Racism and Biased Methods of Risk Assessment," coauthored with Daniel Wigley, Risk: Health, Safety, and Environment 7 (Winter 1996): 55-88.
- (239) "Environmental Ethics," in Encyclopedia of the Future, ed. G. Kurrian and G. Molitor (New York: Macmillan, 1996).
- (240) "Review of I. Jeanes, Forecast and Solution," Canadian Public Policy/Analyse de Politiques XXII, No. 4 (1996): 391- 3.
- (241) "Review of R. Dunlap, M. Kraft, E. Rosa (eds.), Public Reactions to Nuclear Waste," Environment 38, no. 4 (1996): 26.
- (242) "Review of Adam Finkel and Dominic Golding (eds.), Worst Things First?", Environment 38, no. 3 (April 1996):26
- (243) "Review of Ike Jeanes, Forecast and Solution," Journal of Agricultural and Environmental Ethics (1996).

1995

- (244) "Evaluating the Expertise of Experts," Risk: Environment, Health, and Safety 6, no. 2 (Spring 1995):115-126.
- (245) "Practical Ecology and Foundations for Environmental Ethics," Journal of Philosophy XCII, no. 12 (December 1995): 621-635.
- (246) "Number Crunching and Comparative Assessment of Environmental Risks," BioScience 45, no. 2 (Feb. 1995): 66; DOI: 10.1093/bioscience/45.2.66.
- (247) "Comparative Risk Assessment and the Naturalistic Fallacy," Trends in Ecology and Evolution 10, no. 1 (January 1995): 50. Reprinted in Michael McKinney and Parri Shariff (eds.), Readings in Environmental Science (Glenview, IL: West Publishing Company 1996).

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(2) REFEREED ARTICLES PUBLISHED

REFEREED PUBLICATIONS, continued

1995, continued

- (248) "Feminist Epistemology and Its Consequences for Policy," Public Affairs Quarterly 9, no. 2 (April 1995):155-173.
- (249) "Environmental Risk and the Iron Triangle: The Case of Yucca Mountain," Business Ethics Quarterly 5, no. 4 (April 1995): 753-777.
- (250) "Ecological Risk Assessment: Two Problematic Paradigms," Ecology of Industrial Regions 1, Nos. 1-2 (November 1995): 99-110.
- (251) "Natural Landscapes, Natural Communities, and Natural Ecosystems," coauthored with E.D. McCoy, Forest and Conservation History 39, no. 3 (July 1995):138-142.
- (252) "Hard Ecology, Soft Ecology, and Ecosystem Integrity," in Laura Westra and John Lemons (eds.), Perspectives on Ecological Integrity (Boston: Kluwer Academic Publishers, 1995), pp. 125-145.
- (253) "RAPA and Risk," coauthored with Dalton Paxman and Tom Field, Risk: Health, Safety, and Environment 6, no. 2 (Spring 1995): 95-96.
- (254) "Ecology and Environmental Problem Solving," coauthored with E.D. McCoy, in John Lemons (ed.), Readings from the Environmental Professional: Natural Resources (Cambridge, MA: Blackwell Science, 1995), pp.
- (255) "Ethical Dilemmas and Radioactive Waste," in The Ethics of the Environment, ed. Andrew Brennan, International Research Library of Philosophy (Aldershot, Hants., England: Brookfield, VT: Dartmouth, 1995), pp. 477-494.
- (256) "Defining Natural Communities and Natural Ecosystems," coauthored with E.D. McCoy, Natural Areas Report 7, no. 3 (Fall 1995): 4-5.
- (257) "Consent, Equity, and Environmental Justice," coauthored with Daniel Wigley, in Faces of Environmental Racism, ed. L. Westra and P. Wenz (Lanham, MD: Rowman and Littlefield, 1995), pp. 135-159.
- (258) "Response to Cook and Boak," Bulletin of the Atomic Scientists 51, no. 2 (March/April 1995): 76-77.
- (259) "Response to Carter," Bulletin of the Atomic Scientists 51, no.1 (January/February 1995):66-67.
- (260) "Nuclear Waste and Agenda 21," in Sustainable Development: Science, Ethics, and Public Policy, ed. John Lemon and Donald Brown (Dordrecht: Kluwer, 1995), pp. 254-274.
- (261) "Technological Risks and Democracy," in Ethics and Technology: Perspectives from the United States and China, ed. Xiao Lin and Carl Mitcham (Nanjing: Nanjing University Press, 1995).
- (262) "Risk Models and Geological Judgments: the Case of Yucca Mountain," in Science, Politics, and Social Practice, ed. K. Gavroglu, et al. (Dordrecht: Kluwer, 1995), pp. 197-213.
- (263) "Review of Gillroy, Environmental Risk, Environmental Values," Ethics, 105, no. 3 (April 1995): 690-691.
- (264) "Review of Theodore M. Porter, Trust in Numbers: The Pursuit of Objectivity in Science and Public Life," Canadian Philosophical Reviews 15, no. 4 (August 1995): 276-278.

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REFEREED PUBLICATIONS, continued
(2) REFEREED ARTICLES PUBLISHED

1995, continued

- (265) "Review of Laura Westra, An Environmental Proposal for Ethics: The Principle of Integrity," Environmental Ethics 17, no. 4 (Winter 1995): 433-435.
- (266) "Review of A.J. McMichael, Planetary Overload: Global Environmental Change and the Health of the Human Species," The Quarterly Review of Biology 70, no. 2 (June 1995): 248-249.

1994

- (267) "Verification, Validation, and Confirmation of Numerical Models in the Earth Sciences," with N. Oreskes and K. Belitz, Science, 263 (February 4, 1994): 641-646. Reprinted in Computer Measurement Group Transactions 84 (Spring 1994): 85-92.
- (268) "The Meaning of Models: Response," with N. Oreskes and K. Belitz, Science 264 (April 15, 1994): 331.
- (269) "Applied Ecology and the Logic of Case Studies," Philosophy of Science 61, no.1 (June 1994):228-249.4
- (270) "Science, Risk Assessment, and the Frame Problem," BioScience 44, no. 8 (September 1994): 584-551.
- (271) "Ecosystem Health: A New Paradigm for Ecological Assessment?" Trends in Ecology and Evolution 9, no. 12 (December 1994): 456-457.
- (272) "Biodiversity, Biological Uncertainty, and Setting Conservation Priorities," coauthored with biologist Earl McCoy, Biology and Philosophy, 9 (1994):167-195.4 Reprinted in Environmental Management, ed. Jane Bryson (London: Wye College, University of London, 1994).
- (273) "Ecological Explanation and the Population-Growth Thesis," Philosophy of Science Association 1994, vol. 1, ed. M. Forbes and D. Hull (East Lansing, Philosophy of Science Association, 1994), pp. 34-45.
- (274) "High-Level Waste, Low-Level Logic," Bulletin of the Atomic Scientists 50, no. 6 (November/December 1994): 40- 45.6
- (275) "Equity and Nuclear Waste Disposal," Journal of Agricultural and Environmental Ethics 7, no. 2 (October 1994):133-156.
- (276) "What Ecology Can Do for Environmental Management," coauthored with biologist E.D. McCoy, Journal Environmental Management 41, (1994): 293-307.
- (277) "Expert Judgment and Nuclear Risks," Journal of Social Philosophy, 25, no.1 (Spring 1994):45-70.6
- (278) "How the Tail Wags the Dog: How Value Judgments Determine Ecological Science," coauthored with E.D. McCoy, Environmental Values 3 (1994):107-120.⁴
- (279) "Ecology and Environmental Problem Solving," coauthored with ecologist Earl McCoy, The Environmental Professional, 16, no. 4 (December 1994): 285-291.
- (280) "Il Patto Faustiano: Il potere degli scienziati e quello dei governi" ["Energy, Ethics, and the Faustian Bargain"], Prometeo 12, no. 46 (1994): 72-77.

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REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED

1994, continued

- (281) "The Community Concept in Community Ecology," coauthored with E.D. McCoy, Perspectives on Science 2, no. 4 (1994): 455-475 (appeared in 1995).
- (282) "Environmental Risk Assessment and Nuclear Waste Disposal," Epistemologia 17, no.1 (1994): 53-72.
- (283) "Unsafe at Any Depth: Geological Methods, Subjective Judgments, and Nuclear Waste Disposal," in Artifacts, Representations, and Social Practice: Essays for Marx Wartofsky, ed. C.C. Gould and R.S. Cohen (Boston: Kluwer, 1994) pp. 501-524.
- (284) "Risk and Ethics," in Radiation and Society: Comprehending Radiation Risks ed. B. Lindell (Stockholm: The Swedish Risk Academy, 1994) and (Vienna: International Atomic Energy Agency, 1994), pp. 167-182.
- (285) "Hazardous Wastes and Toxic Substances," Encyclopedia of Bioethics, vol. 2, ed. W. Reich (New York: Prentice-Hall, 1994), pp. 1026-1032.
- (286) "Technology Assessment," Encyclopedia of Bioethics, vol. 5, ed. W. Reich (New York: Prentice-Hall, 1994), pp. 2484- 2490.
- (287) "Environmental Ethics, Uncertainty, and Limited Data," in Ethics and Agenda 21, ed. Noel Brown and Pierre Quiblier (New York: United Nations Press, 1994), pp. 77-82.
- (288) "Equity, Consent, and Hazardous Waste," in Ethics and Agenda 21, ed. Noel Brown and Pierre Quiblier (New York: United Nations Press, 1994), pp. 83-90.
- (289) "Property Rights in Natural Resources," in The Environmental Ethics and Policy Book, ed. D. Van De Veer and C. Pierce (Belmont, CA: Wadsworth), 1994, pp. 433-434.
- (290) "La Risk Evaluation and the Reform of Risk Management," in Future Risks and Risk Management, ed. B. Brehmer and N.E. Sahlin (Boston: Kluwer, 1994), pp. 183-251.
- (291) "Environmental Impact Assessment and the Fallacy of Unfinished Business," in Allen Greenbaum, Alex Wellington, and Ellen Baar (eds.), Environmental Law and Social Conflict: Ethics, Economics, and Equity (York, Ontario: Captus Press, 1994) pp. 191-194.
- (292) "Global Responsibility, Ethical Advocacy, and Environmental Problems," in Ethics and Environmental Policy: Theory Meets Practice, ed. F. Ferre and P. Hartel (Athens: University of Georgia Press, 1994), pp. 178-194.
- (293) "Sustainability and Environmental Ethics," in The Notion of Sustainability and its Normative Implications, ed. Gunnar Skirbekk (Oslo: Scandinavian University Press, 1994), pp. 57-79.
- (294) "Comments on the Draft Environmental Impact Statement for Construction and Operation of Clairborne Enrichment Center, Homer, Louisiana " coauthored with Daniel Wigley, in US Nuclear Regulatory Commission, Final Environmental Impact Statement for Construction and Operation of Clairborne Enrichment Center, Homer, Louisiana, vol. 2, NUREG 1484 (Washington, DC: US NRC, 1994), pp. 1-255 through 1-282.
-

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REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED

1994, continued

- (295) "Review of Gillroy, Environmental Risk, Environmental Values," American Political Science Review 88, no. 2 (June 1994): 496-497.
- (296) "Review of Dunlap, Kraft, and Rosa, Public Reactions to Nuclear Waste," Contemporary Sociology 23, no. 4 (July 1994):516-517.

1993

- (297) "Locke and Limits on Land Ownership," Journal of the History of Ideas 54, no. 2 (April 1993): 201-219.
- (298) "Technological Risk Evaluation and Management," Advances in Human Ecology 2 (1993):157-186.
- (299) "Consent and Nuclear Waste Disposal," Public Affairs Quarterly 7, no. 4 (October 1993): 363-378.
- (300) "Probabilistic Uncertainty and Technological Risk," in Science, Politics, and Morality, ed. R. von Schomberg, Philosophy and Methodology of the Social Sciences, vol. 17 (Boston: Kluwer 1993), pp. 43-62.²
- (301) "Risk Methodology and Institutional Bias," Research in Social Problems and Public Policy 5 (1993): 205-221.
- (302) "Review of R.M. Cooke, Experts in Uncertainty: Opinion and Subjective Probability in Science," Ethics 103, no. 3 (April 1993): 599-602.
- (303) "Review of Beck, Risk Society; Brown, Environmental Threats," Environmental Values 2, no. 4 (Winter 1993): 367-369.

1992

- (304) "Statistics, Costs, and Rationality in Ecological Inference," coauthored with biologist E. McCoy, Trends in Ecology and Evolution 7, no. 3 (March 1992): 96-99.⁴
- (305) "Dobrovolna stidmost a moralni povinnost omezovat spotebu," Veronica VI (1992):14-17.
- (306) "Diskuse- Jakit v souladu s omezenymi monostmi pirody a krajiny Jakit v dobrovolne st idmosti," Veronica VI (1992):17.
- (307) "Community Ecology, Scale, and the Instability of the Stability Concept," coauthor: E.McCoy, in Philosophy of Science Association 1992, ed. M. Forbes and D. Hull (East Lansing: Philosophy of Science Assn., 1992), pp. 84-99.⁴
- (308) "Risk Estimation and Expert Judgment: The Case of Yucca Mountain," Risk: Issues in Health and Safety 3, no. 4 (1992): 283-315.^{5,6}
- (309) "Science, Democracy, and Public Policy," Critical Review 6, nos. 2-3 (Spring-Summer 1992):1-10.
- (310) "Calibrating Assessors of Technological and Environmental Risk," Research in Philosophy and Technology 12 (1992): 147-155.²

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7 This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED

1992, continued

- (311) Expert Judgment and the Frame Problem: Analysis of the Early Site Suitability Evaluation (ESSE) for the Proposed Yucca Mountain Repository Site (Carson City, Nevada: Department of Energy/NWPO, June 1992), 29 pages.⁶
- (312) "Property and Procedural Justice: The Plight of the Small Farmer," in Ethics and Agriculture, ed. C. Blatz (Moscow, Idaho: University of Idaho Press, 1992): 160-171.
- (313) "Technology, Bayesian Policymaking, and Democratic Process," in Democracy in a Technological Society, ed. L. Winner, in Philosophy and Technology Series, vol. 7 (Boston: Kluwer, 1992): 123-137.²
- (314) "Agricultural Ethics," in Encyclopedia of Ethics, ed. L.C. Becker, vol.1 (New York: Garland, 1992), pp. 30-33.
- (315) "Land Ethics," in Encyclopedia of Ethics, ed. L.C. Becker, vol. 2 (New York: Garland, 1992), pp. 683-685.
- (316) "Technology and Ethics," in Encyclopedia of Ethics, ed. L.C. Becker, vol. 2 (New York: Garland Publishing Company, 1992), pp. 1231-1234.
- (317) "Review of N. Ashford and C. Miller, Chemical Exposures for Risk Analysis," in Risk Analysis 12, no.1 (March 1992):161.
- (318) "Review of R.M. Cooke, Experts in Uncertainty: Opinion and Subjective Probability in Science," Canadian Philosophical Reviews 12, no. 6 (December 1992): 393-395.
- (319) "Review of E. Draper, Risky Business: Genetic Testing and Exclusionary Practices in the Hazardous Workplace," Canadian Philosophical Reviews 12, no. 3 (June 1992):186-188.
- (320) "Review of Draper, Risky Business," Risk: Issues in Health and Safety 3, no. 3 (Summer 1992): 267-271.
- (321) "Review of Cooke, Experts in Uncertainty," Risk Issues in Health and Safety 3, no. 3 (Summer 1992): 263-67.

1991

- (322) "Ethics and the Environment," World Health Forum 12, no. 3 (1991): 311-321; reprinted in Environment and Development: Cultural, Ethical, and Educational Perspectives, ed. R.P. Misra (Delhi, India: Centre for Gandhian Studies and Peace Research, 1991).
- (323) "Ethical Dilemmas and Radioactive Waste," Environmental Ethics 13, no. 4 (Winter 1991): 327-343.³
- (324) "Rischi Ambientali, Incertezza Scientifica, et Pubblica Irrazionalita," Nuovo Civiltà Delle Macchine IX, no. 1 (Gennaio/Marzo 1991): 77-86.
- (325) "Reductionist Approaches to Risk," in Acceptable Evidence: Science and Values in Risk Assessment, ed. D. Mayo and R. Hollander (New York: Oxford University Press, 1991), pp. 218-248.²
- (326) "Tecnicismo e moralismo proiettati sull' oggi," Prometeo 9, no. 34 (Giugno 1991):101-112.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

2 This work was done, in part, thanks to National Science Foundation Grant SES82-05112.

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7 This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED

1991, continued

- (327) Adam Smith and Alma Mater: Technology and the Threat to Academic Freedom," in Europe, America, and Technology: Philosophical Perspectives, ed. P. Durbin, Philosophy and Technology Series, 6 (Boston: Kluwer, 1991): 175-189.
- (328) "L'etica nella politica ambientale," in C. Poli and P. Timmerman (eds.) L'Etica Nelle Politiche Ambientali (Padova: Gregoriana Libreria Editrice, 1991), 181-196.
- (329) "A Philosophical Basis for a Biocentric Ethics," Earth Ethics Report 1, no.1 (December 1991): 25-31.
- (330) "Pesticide Policy and Ethics," in Ethics and Agriculture, ed. C. Blatz (Moscow, Idaho: University of Idaho Press, 1991): 426-433.
- (331) "Property and Procedural Justice," in Ethics and Agriculture, ed. C. Blatz (Moscow, Idaho: University of Idaho Press, 1991), pp. 160-171.
- (332) "Feelings, Fear, and Technological Risk," in Feeling and Thought, ed. B. Den Ouden (NY: Peter Lang, 1991), pp. 168-181.
- (333) "Review of R. Lipschutz, When Nations Clash," in Society and Natural Resources, 3, no. 4 (1991): 406-408.
- (334) "Review of A. Schmid, Benefit-Cost Analysis," in Ethics 101, no. 2 (January 1991): 442.

1990

- (335) "Island Biogeography, Species-Area Curves, and Statistical Errors," Philosophy of Science 1990, Vol. 1, eds. A. Fine, M. Forbes, and L. Wessels (East Lansing, Michigan: Philosophy of Science Association, 1990), pp. 447- 456.⁴
- (336) "Interspecific Competition, Evolutionary Epistemology, and Ecology," in Evolution, Cognition, and Realism, ed. N. Rescher (Pittsburgh: University of Pittsburgh Center for the Philosophy of Science, 1990), pp. 47-61.⁴
- (337) "Perceived Risks Versus Actual Risks: Managing Hazards Through Negotiation," Risk: Issues in Health and Safety 1, No. 341 (Fall 1990): 341-363.²
- (338) "Theory Reduction and Explanation in Ecology," coauthored with E. McCoy, Oikos 58, No.1 (1990):109-114.⁴
- (339) "Ethics and Risk-Benefit Analysis," Ethical and Policy Issues Perspectives 9, no. 2 (January 1990): 6-7.²
- (340) "Three Arguments against Simplicity," in Aesthetic Factors in Natural Science, ed. N. Rescher (Pittsburgh: University of Pittsburgh Press, 1990), pp. 11-26.³
- (341) "Environmental Risk and Improving the Reliability of Engineers," Society of Plastics Engineers Spectator 20, No. 1 (October 1990):18-20.²
- (342) "Models, Scientific Method, and Environmental Ethics," in Upstream/Downstream: Issues in Environmental Ethics, ed. D. Scherer, (Philadelphia: Temple University Press, 1990), pp. 90-120

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles

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7 This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED

1990, continued

- (343) "Scientific Method, Anti-Foundationalism, and Public Decision making," Risk: Issues in Health and Safety 1, No. 4 (Fall 1990): 341-363.²
- (344) "Biological Holism and the Evolution of Ethics," Between the Species 6, No. 4, (Fall 1990):185-192.
- (345) "Biology and Ethics," Between the Species 6, No. 4 (Fall 1990):195-196.
- (346) "Review of C. Gould, The Information Web," Canadian Philosophical Review 10, No. 3 (1990).

1989

- (347) "Idealized Laws, Anti-Realism, and Applied Science: A Case in Hydroeology," Synthese: An International Journal in Logic, Epistemology, and Philosophy of Science 81(1989): 329-352.³
- (348) "Scientific Method and the Objectivity of Epistemic Value Judgments," in J. Fenstad, R. Hilpinen, and I. Frolov (eds.), Logic, Methodology, and the Philosophy of Science (Series: Studies in Logic and the Foundations of Mathematics), (New York: Elsevier Science Publishers, 1989), pp. 373-389.³
- (349) "Scientific Progress and Models of Justification," in Science, Technology, and Social Progress, ed. Steven Goldman (London: Associated University Presses, 1989), pp. 196-226.³
- (350) "Oikologie und Begründung ethischer Normen," in Freiheit und Verantwortung in der Wissenschaft, ed. Hans Balz Peter (Bern: Schweizerischen Akademie der Naturwissenschaften,1989), pp. 15-18.³
- (351) "El riesgo industrial, las fronteras nacionales y la igualdad de proteccion,"Anthropos, NoS\ 94-95 (March/April 1989): 67-74.²
- (352) "The Conceptual Risks of Risk Assessment," in A. Flores (ed.) Ethics and Risk Management in Engineering (Lanham, MD: University Press of America,1989), pp. 73-90.²
- (353) "Policy Through Assessment of Type-II Statistical Risks," in Policy Through Impact Assessment, ed. R. Bartlett (Westport, CT: Greenwood Press,1989), pp. 129-142.²
- (354) "Science Pure and Applied as Essentially Involved with Ethics," in Ethical Issues Associated with Scientific and Technological Research for the Military, ed. by C. Mitcham and P. Siekevitz, Annals of the New York Academy of Sciences, Vol. 577 (New York: New York Academy of Sciences 1989), pp. 86-93.
- (355) "Risk Methodology and the Pesticide Dilemma," in The Agrarian, ed. C. Sieverdes (Clemson, South Carolina: College of Agricultural Sciences,1989), pp. 43-55.²
- (356) "The Conceptual Risks of Risk Assessment," in A. Flores (ed.), Ethics and Risk Management in Engineering (Lanham, MD: University Press of America, 1989): 73-90. Reprinted from IEEE Technology and Society.²
- (357) "Ecological Theories and Ethical Imperatives," in Scientists and Their Responsibility, ed. W.R. Shea and B. Sitter (Canton, MA: Watson, 1989), pp. 73-104.³
- (358) "Helping Science Serve Society," in Hoe Toonaangevend is de Universiteit? ed. H. de Ward (Groningen: University of Groningen, The Netherlands, 1989), pp. 75-89.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles

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REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED

1988

- (359) "Parfit, Risk Assessment, and Imperceptible Effects," Public Affairs Quarterly 2, No. 4 (October 1988): 75-96.
- (360) "Values and Hydrogeological Method," Energy Policy Studies 4 (1988):101 ff.³
- (361) "Risk Assessment and Uncertainty," in Philosophy of Science 1988, Volume 2, ed. A. Fine and J. Leplin (East Lansing: Michigan State University, 1988), pp. 504-517.²
- (362) "Producer Risk, Consumer Risk, and Assessing Technological Impacts," Policy Studies Review 8, No. 1 (1988): 155-164. Reprinted in Impact Assessment Bulletin 6, No. 3-4 (1988):155-164.²
- (363) "Agriculture, Ethics, and Restrictions on Property Rights," Journal of Agricultural Ethics 1, No.1 (1988): 21-40.
- (364) "Ethical Resolution of Risk Conflicts," in Assessing Social and Economic Effects of Perceived Risk, ed. S. Nealy and E. Liebow, PNL-6515, BHARC-8001881005, UC-70 (Richland: Batelle Pacific Northwest Laboratories 1988), pp. 9.1 ff.
- (365) "Ethics for the Earth," Sierra 73, No. 6 (November/December 1988):118-123.
- (366) "Public and Occupational Risk: the Double Standard," in Technology and Contemporary Life, ed. P. Durbin, Philosophy and Technology Series, volume 4 (Boston: Reidel,1988), pp. 257-277.²

1987

- (367) "Parfit and Mistakes in Moral Mathematics," Ethics 97 (October 1987): 50 ff.
- (368) "Values, Scientific Objectivity, and Risk Analysis," in R. Almeder and J. Humber (eds.), Quantitative Risk Assessment (Clifton, New Jersey: Humana Press, 1987), pp. 149 ff.
- (369) "Introducing Philosophy....," in Demonstrating Philosophy, ed. A. Wilson (NY: U. Press of America, 1988), pp. 175-186.
- (370) "Risk and Technology Transfer: Equal Protection Across National Borders," in Technological Transformation, eds. E.F. Byrne and J.C. Pitt, Philosophy and Technology Series, volume 5 (Boston: Reidel,1988), pp. 259-276.
- (371) "Review of S. Harding, The Science Question in Feminism," in Synthese: An International Journal in Logic, Epistemology, and Philosophy of Science, 76 (1988): 441-446.
- (372) "Land-Use Planning and Analytic Methods of Policy Analysis," Business and Professional Ethics Journal 6, No. 2 (Summer 1987): 41-46.
- (373) "Four Land Ethics," The Environmental Professional 9 (1987):121 ff.
- (374) "The Real Risks of Risk-Cost-Benefit Assessment," in Technology and Responsibility, ed. P. Durbin (Boston: Reidel, 1987): 343 ff.²
- (375) "Review of Taylor's Respect for Nature," Ecology Law Quarterly 14, No. 2 (1987): 389 ff.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles

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REFEREED PUBLICATIONS, continued

(2) ARTICLES, continued

1987, continued

- (376) "Review of R. Tong, Ethics in Policy Analysis," Teaching Philosophy 10, No. 3 (September 1987): 250 ff.
- (377) "Review of T.R. DeGregori, A Theory of Technology," Technology and Culture (October 1987): 897.

1986

- (378) "Technological Risk and Small Probabilities," Journal of Business Ethics, 4 (1986): 431-445.²
- (379) "The Conceptual Risks of Risk Assessment," IEEE Technology and Society 5, No. 2 (June 1986): 4 ff.
- (380) "Organismic Biology and Ecosystems Ecology: Description or Explanation?" in N. Rescher (ed.), Current Issues in Teleology (Pittsburgh: University of Pittsburgh Press, 1986), pp. 77-92.
- (381) "Pollution as a Criminal Act," Environment 28, No. 5 (June 1986): 3 ff.
- (382) "The Real Risks of Risk-Cost-Benefit Analysis," Technology in Society 7, No. 4 (1986): 399-409.²

1985

- (383) "The Plutonium Economy: Technological Links and Epistemological Problems," Research in Philosophy and Technology 8 (1985):189 ff.
- (384) "Risk-Cost-Benefit Methodology and the Commensurability Presupposition," in V. Covello, et. al (eds.), Risk Evaluation and Measurement (New York: Plenum, 1985): 275 ff.2
- (385) "Environmental Ethics and Global Imperatives," in R. Repetto (ed.), The Global Possible: Resources, Development, and the New Century (New Haven: Yale University Press, 1985), pp. 97-130.
- (386) "Nuclear Arms and Nuclear Power: Philosophical Connections," in M. Fox and L. Groarke (eds.), Nuclear War: Philosophical Perspectives (New York: Peter Lang, 1985), pp. 85-100.

1984

- (387) "Technology Assessment, Expert Disagreement, and Democratic Procedures," Research in Philosophy and Technology 8 (1984):103 ff.2
- (388) "Agriculture, Property, and Procedural Justice," Agriculture and Human Values 1, No. 6 (Summer 1984):15-28.
- (389) "Engineering Ethics," IEEE Spectrum 21 (1984):10.
- (390) "Review of D. Scherer and T. Attig (eds.), Ethics and the Environment," Teaching Philosophy 7, No. 3 (July 1984): 255- 258.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles 2

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7 This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED PUBLICATIONS, continued

(2) ARTICLES, continued

1983

- (391) "Society, Ethics, and Economic Methodology: The Philosophical Case for Risk-Cost-Benefit Analysis," The Journal of Philosophy LXXX, No. 10 (October 1983): 659 ff.
- (392) "Technology Assessment and the Problem of Quantification," in Philosophy and Technology, ed. R. Cohen and P. Durbin, Volume 80, Boston Studies in the Philosophy of Science (Boston: D. Reidel, 1983), pp. 151-164.
- (393) "Ethics and Energy," in T. Regan (ed.), Earthbound (New York: Random House, 1983), pp. 107-146.
- (394) "Risk-Assessment Methodology and the Challenge to Jeffersonian Democracy," Energy Policy Studies 1 (Summer 1983): 29-45.2
- (395) "Comments on the Appalachian Technical Association Program Final Report," in A.J. Fritsch (ed.), Appalachian Technical Association Final Report (Livingston, KY: Appalachia Science in the Public Interest, 1983), pp. 55 ff.
- (396) "Review of A. Lovins, Non-Nuclear Futures," Environmental Review 7 (1983):11 0ff.

1982

- (397) "Quark Quantum Numbers and the Problem of Microphysical Observation," Synthese: An International Journal for Epistemology, Methodology, and Philosophy of Science 50 (1982): 103 ff. Reprinted in Philosophical Problems of Modern Physics, ed. Hans Plendl (Boston: D. Reidel, 1982), pp. 125 ff.
- (398) "Consensus and the Visual Acuity of Quark Hunters," Synthese: An International Journal for Epistemology, Methodology, and Philosophy of Science 50 (1982): 153 ff. Reprinted in Philosophical Problems of Modern Physics, ed. Hans Plendl (Boston: D. Reidel, 1982), pp. 153 ff.
- (399) "Comments on Cushing's Essay," Synthese: An International Journal for Epistemology, Methodology, and Philosophy of Science 50 (1982): 103 ff. Reprinted in Philosophical Problems of Modern Physics, ed. Hans Plendl (Boston: D. Reidel, 1982), pp. 125 ff.
- (400) "Economics, Risk-Cost-Benefit Analysis, and the Linearity Assumption," Philosophy of Science Association 1982, ed. P.D. Asquith and T. Nickles, vol.1 (Ann Arbor, Michigan: Edwards, 1982): 217-232.²
- (401) "Das Quantifizierungsproblem bei der Technikbewertung," in Technikphilosophie in der Diskussion, ed. F. Rapp and P. Durbin (Wiesbaden, West Germany: Vieweg, 1982), pp. 123 ff.
- (402) "Environmental-Impact Assessment and the Fallacy of Unfinished Business," Environmental Ethics 4 (1982):37ff.
- (403) "Environmental-Impact Analysis, Technology Assessment, and the Problem of Geographical Equity," Research in Philosophy and Technology 5 (1982): 63 ff.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles.

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REFEREED PUBLICATIONS

(2) ARTICLES, continued 1982, continued

- (404) "Land and Hazardous Waste Disposal: the Appalachian Dimensions of the Problem," in A. Fritsch and J. Davis (eds.), Land Ethics in Appalachia (Lexington, Kentucky: Appalachia Science in the Public Interest, 1982), pp. 57 ff.⁵
- (405) "Ethical Issues and Pesticide Policy," in R. Haynes and R. Lanier (eds.), Agriculture, Change, and Human Values 2 (Gainesville: Humanities and Agriculture Program, 1982): 549-567.
- (406) "Review of George Gale, Theory of Science," Teaching Philosophy 5 (1982): 83 ff.
- (407) "Review of N. Rescher, Unpopular Essays on Technological Progress," Environmental Ethics 4 (1982): 363 ff.
- (408) "Review of D. Nelkin and M. Pollak, The Atom Besieged," Technology and Culture 23 (1982): 662-664.

1981

- (409) "Economic Analyses of Energy Options: A Critical Assessment of Some Recent Studies," in Energy and Ecological Modelling, ed. W.J. Mitsch (New York: Elsevier, 1981), pp. 773 ff.

1980

- (410) "Recent Changes in the Concept of Matter: How Does 'Elementary Particle' Mean?" Philosophy of Science Association (1980), vol. 1, edited by P.D. Asquith and R.N. Giere (East Lansing: Philosophy of Science Association, 1980), pp. 302ff.
- (411) "Ecological Justice and Low-Level Radiation," Journal of American Culture 3 (1980): 501 ff.
- (412) "Technology Assessment as Applied Philosophy of Science," Science, Technology, and Human Values 6 (Fall 1980):33ff.
- (413) "Technology, Public Policy, and the Price-Anderson Act," Research in Philosophy and Technology 3 (1980):313ff.
- (414) "Adams, Inhaber, and Risk-Benefit Analysis: Ethical and Methodological Problems with Two Recent Assessments of Nuclear Safety," Research in Philosophy and Technology 3 (1980): 501 ff.

1979

- (415) "High-Energy Models and the Ontological Status of the Quark," Synthese: An International Journal for Epistemology, Methodology, and Philosophy of Science 42 (1979):173 ff.
- (416) "Kenneth Sayre on Information-Theoretic Models of Mind," Research in Philosophy and Technology 2 (1979): 371 ff.
- (417) "Technology Assessment, Future Generations, and the Social Contract," Journal for the Humanities and Technology 1 (1979): 3 ff.
- (418) "Energy and Ethics: The Case Against Nuclear Power," Kentucky Monthly 1, (August/September 1979):15 ff.
- (419) "Ethics and the Assessment of Environmental Impacts," Landscape Architecture 69 (September 1979): 523 ff.

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REFEREED PUBLICATIONS, continued

(2) REFEREED ARTICLES PUBLISHED

1978

- (420) "The Ohio River Basin Energy Study: Methodological and Ethical Problems," in US Environmental Protection Agency, Ohio River Basin Energy Study, Grant R804848-01, ORBES Vol IV (June 1978): 50- .
<https://nepis.epa.gov/Exe/tiff2png.cgi/9101QJYR.PNG?-r+75+g+7+D%3A%5CZYFILES%5CINDEX%20DATA%5C76THRU80%5CTIFF%5C00004939%5C9101QJYR.TIF>
- (421) "Penology and Ideology: Ethics and Criminal Responsibility," Federal Probation 42 (June 1978): 9 ff.

1977

- (422) Atomism in Crisis: An Analysis of the Current High-Energy Paradigm," Philosophy of Science 44 (September 1977):409-440.
- (423) Information-Theoretic Descriptions and Physicalistic Accounts of Mind," Cybernetica 20 (Fall 1977): 223 ff.
- (424) Analysis of Scientific Methodologies Used in Technology Assessment," in US Environmental Protection Agency, Ohio River Basin Energy Study Report, II B (May 1977): 2.30 ff.⁵

1976

- (425) "Cybernetics and the Problems of the Criterion Method," Proceedings of the Eighth International Congress of Cybernetics (Namur: Association Internationale de Cybernetique, 1976), pp. 691 ff.

1975

- (426) "Conceptual Difficulties in High-Energy Physics," Proceedings of the Fifth International Congress of Logic, Methodology, and Philosophy of Science (London: University of Western Ontario, 1975), pp. VII: 51 ff.
- (427) "Conceptual Problems in Empirical Theory: A Kuhnian Approach to the Dynamics of the American Party Systems," coauthored with Joel Goldstein, Proceedings of the 1975 Midwest Political Science Association, available through University Microfilms, Ann Arbor, Michigan, 1975.

1974

- (428) "Skepticism, Psychology, and Philosophical Criteria," University of Dayton Review, XI (1974): 51 ff.
- (429) "The Ethics Crisis," The Courier-Journal and the Louisville Times, Outlook section, November 28, 1982.

BOOK REVIEWS

Professor Shrader-Frechette has written a great many book reviews in philosophical journals, such as Synthese and Ethics, as well as in other scholarly periodicals. Her reviews in the latter category have appeared in Agriculture and Human Values, Ecology Law Quarterly, Environmental Ethics, Environmental Management, Environmental Review, Environment International, Journal of the American Chemical Society, Landscape Architecture, The Public Historian, Quarterly Review of Biology, Risk Analysis, Social Indicators Research, Technology and Culture, and related journals. Her reviews also have appeared in popular journals such as America, Bulletin of the Atomic Scientists, Environment, and Sierra.

1 This list excludes several essays on teaching philosophy and a number of book reviews and review articles. 2 This work was done, in part, thanks to National Science Foundation Grant SES82-05112. 3 This work was done, in part, thanks to National Science Foundation Grant ISP-82-09517. 4 This work was done under National Science Foundation Grant Number BBS-8619533. 5 This work was done under US Department of Energy Grant Number DE-FG08-85-NV10461. 6 This work was done under US Department of Energy Grant Number 685873, 9.3.7, 4C. 7 This work was done, in part, thanks to National Science Foundation Grant SES-98-10611.

REFEREED AND INVITED PAPERS

Professor Shrader-Frechette has presented numerous papers throughout the United States, Canada, Europe, Africa and Asia. Some of these were refereed and given at professional meetings (e.g., of the American Association for the Advancement of Science, the American Philosophical Association, the Ecological Society of America, and the Philosophy of Science Association). Others were invited presentations for special colloquia (e.g., the Boston Colloquium for the Philosophy of Science, the Pittsburgh Colloquium for the Philosophy of Science, and the Pugwash Conference), or invited presentations for professional meetings (e.g., the 1982-1983 APA meeting in Berkeley, and the 1983-1984 APA meeting in Boston). Some of the institutions from which she has received speaking invitations include: Academy for Technology Assessment (Braden- Wurttemberg, Germany); University of A Coruna (Spain); U of Alabama; U of Alaska; U of Alberta; American Association for the Advancement of Science; U of Arizona; Arizona State U; College of the Atlantic; University of Bahia (Brazil); Baker U; Ball State U; Baylor U; Battelle National Labs; U of Bergen (Norway); Boston U; Brown U; U of British Columbia; Bryn Mawr; U of California, Berkeley; U of California, San Diego; U of California, Santa Barbara; Cambridge U (UK); Carleton U (Canada), Case Western Reserve U; U of Chicago; U of Cincinnati; Clark U; Clemson U; U of Colorado, Boulder; Cornell U; U of Maria-Curie-Sklodowska (Poland); Dalhousie U (Nova Scotia); Dartmouth College; U of Delaware; Delft U of Technology; Denison U; Econometrica, Milan, Italy; Emory U; Environmental Research Labs, EPA; Evergreen College; U of Florida; Florida State U; Franklin Pierce Law Center; George Mason U; Georgetown U; U of Georgia; Georgia Institute of Technology; Georgia State U; Georgetown U; U of Gothenburg (Sweden); U of Groningen (Netherlands); U of Guelph (Ontario); Harvard U; Hastings Center; U of Hawaii; Hebrew U (Israel); U of Hokkaido (Japan); U of Houston; U of Idaho; Indiana U; International Executive Forum (San Diego); Iowa State U; James Madison U; Jewish Theological Seminary, New York; Johns Hopkins University; U of Kentucky; Kobe U, Japan; Konrad Lorenz Institute (Milan); Lafayette College; London School of Economics; U of Maryland; Massachusetts Institute of Technology; McGill U; Miami U; U of Michigan; Michigan State U; U of Minnesota; U of Milan (Italy); U of Minnesota, U of Missouri; U of Montana; Moscow State U (USSR); National Conference of Catholic Bishops; U of Nevada, Las Vegas; U of Nevada, Reno; U of New England; U of New Hampshire; U of New Mexico; State U of New York; New York Academy of Sciences; North Carolina State U; U of North Carolina, Chapel Hill; U of North Texas; Northwestern U; U of Notre Dame; Nova Scotia Agricultural College; Oak Ridge National Labs; Oberlin College; US Office of Personnel Management; Ohio State U; U of Oregon; Oregon State U; U of Oslo (Norway); U of Ottawa (Canada); U of Padua (Italy); Penn State U; U of Pittsburgh; Princeton U; Purdue U; Resources for the Future; Rice University; U of Richmond; U of San Francisco; Santa Clara University; Sarah Lawrence College; U of South Carolina; Southern Illinois U; Swedish Institute for Future Studies (Stockholm); the Swedish Risk Academy (Stockholm); Swiss Academy of Sciences; U of Tel Aviv (Israel); U of Tennessee; U of Toledo; U of Toronto; U of Toulouse (France); U of Trondheim (Norway); Tufts University; Twente Technological U (The Netherlands); USSR Academy of Sciences; Utah State U; United Nations Environment Programme; University College, London; Polytechnic U of Valencia (Spain); Vanderbilt U; Virginia Polytechnic Institute and State U; U of Victoria (British Columbia); U of Vienna (Austria); U of Washington; Washington State U; U of Waterloo (Canada); Western Behavioral Sciences Institute (San Diego); Williams College; U of Winnipeg (Manitoba); U of Wisconsin; Woods Hole Oceanographic Institution; World Council of Churches (Switzerland); World Resources Institute; U of Wyoming; Yale University.

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Faculty Advisor, ND GlobeMed, 2008-present Notre Dame Graduate Council, 1998-2000
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Board of Directors, USF Division of Sponsored Research, 1994-1995 Chair, Distinguished Research Professors' Course Comm., 1992-1996 Graduate Committee, Department of Philosophy, 1990-1997
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Chair, Central U Library Committee, 1982
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Advisor, National Consortium, Black Professional Development, 1975-1980 Local Coordinator, International Safe Energy Conference, 1978
Energy Advisor, Louisville Board of Aldermen, 1975-1978 Faculty Advisor, Students for Environmental Awareness, 1999-01 ND University Committee on International Studies, 1998-2000
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