

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
Phone: 574-631-7523
Kristin.Shrader-Frechette.1@nd.edu
website: www.nd.edu/~kshrader

Home Address:

838 Park Avenue
South Bend, IN 46616
Phone: 574-246-0015
Fax: 574-631-8209

Personal:

Married to Maurice Shrader-Frechette,
Ph.D. (math); 2 children, Eric and Danielle,
one at Princeton, one at U. of California
hobbies: scuba diving, hiking, piano, violin

HIGHER EDUCATION

Institution:	Degree:	Years:	Major:
Xavier University		1966	physics
Edgecliff College	B.A. (<u>summa cum laude</u>)	1967	mathematics
University of Notre Dame	Ph.D.	1972	philosophy, philosophy of science

EMPLOYMENT HISTORY

Institution:	Appointment:	Years:	Ending Rank:
Edgecliff College	Philosophy	1971-73	Assistant Professor
University of Louisville	Philosophy, Natural Sciences	1973-82	Professor
University of California, S. Barbara	Philosophy of Science, Environ. Studies	1982-84	Professor
University of Florida	Philosophy, Natural Sciences	1984-87	Professor
University of South Florida	Philosophy, Environmental Sciences	1987-98	Distinguished Research Professor
University of Notre Dame	Philosophy, Biological Sciences	1998-	O'Neill Family Professor

HONORS, 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 Sci., Int. Conf. of Scien. 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 and Toxicology	1993-1996
US National Research Council/National Academy of Sciences, Oversight Committee, Environmental Monitoring and Assessment 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, Committee to Evaluate 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
President, International Society for Environmental Ethics (ISEE)	2000-2003

GRADUATE COURSES TAUGHT

Philosophy of Science	Ethics and Economic Methods	Philosophy, Ethics, and Ecology	Ethics
Methods of Philosophy	Philosophy of the Social Sciences	Duties to Future Generations	Risk and Consent
Analytic Philosophy	Philosophy of the Natural Sciences	Environmental Risk Assessment	Environmental Ethics

UNDERGRADUATE COURSES TAUGHT

Mathematical Logic	Philosophy of Economics	Contemporary Ethical Issues	Science and Values
Philosophy of Science	Philosophy of Ecology	Land Ethics	Social Philosophy
Introduction to Logic	Cost-Benefit Analysis	Environmental Ethics	Epistemology
Critical Thinking	Science, Technology, and Values	Environmental Risk Assessment	Policy Analysis
	Ethics of Scientific Research	Biomedical Ethics and Public Health	Ethics and Risk

EDITORIAL WORK

Editor-in-Chief,	Oxford University Press series, "Environmental Ethics and Science Policy," 1988-present
Editorial Board,	<u>BioScience</u> , Associate Editor, 1994-2002
"	<u>Eco Spheres</u> , Norwegian Folkets Brevskole, 1993-present
"	<u>Encyclopedia of the Philosophy of Science</u> , 1996-present
"	<u>Environmental Ethics</u> , 1981-present
"	<u>Environmental Values</u> , 1995-present
"	<u>Ethics and the Environment</u> , 1995-present
"	<u>Europäische Akademie</u> , 1999-present
"	<u>Humanities and Technology</u> , 1980-present
"	<u>Journal of Agricultural and Environmental Ethics</u> , 1986-present
"	<u>Journal of Law and Public Policy</u> , 1987-present
"	<u>Organization and Environment</u> , 1995-present
"	<u>Perspectives in Contemporary Literature</u> , 1975-78
"	<u>Philosophy and Technology</u> , 1986-present
"	<u>Poiesis and Praxis</u> , 1999-present
"	<u>Public Affairs Quarterly</u> , 1987-present
"	<u>Research in Philosophy and Technology</u> , 1982-1986
"	<u>Risk: Issues in Health and Safety</u> , 1991-present
"	<u>Studies in Religion and the Social Order</u> , 1991-present
"	<u>Synthese: An Internat. Journal in Logic, Epistemology, and Philosophy of Science</u> , 1993-present
Advisory Board,	<u>American Philosophical Association Newsletter on Feminism and Philosophy</u> , 1992-present
"	Earth Ethics Research Group, 1990-present
"	Institute for Hydrology and Water Quality, 1995-present
"	"Integration, Environmental Assessment, and Environmental Indicators," EPA, 1992-present
"	International Society for Environmental Ethics, 1995-present
"	Ontario Society for Environmental Ethics, 1994-present
"	Planet Central TV Cable Network (environmental issues), 1993-present
"	<u>Technology, Risk, and Society: An International Series in Risk Analysis</u> , 1983-present
"	"Vision for 2100," PBS TV series on the environment, 1993-present
Article Referee,	<u>Biology and Philosophy</u> , 1993-present
"	<u>Behavioral Science</u> , 1975-present
"	<u>Bulletin of the Ecological Society of America</u> , 1995-present
"	<u>Conservation Biology</u> , 1993-present
"	<u>Economics and Philosophy</u> , 1992-present
"	<u>Energy Policy Studies</u> , 1984-present
"	<u>Environment International</u> , 1985-present
"	<u>Environmental Management</u> , 1985-present
"	<u>Environmental Professional</u> , 1995-present
"	<u>Environmental Science and Technology</u> , 1996-present
"	<u>Ethics</u> , 1987-present
"	<u>Hypatia</u> , 1988-present
"	<u>Journal of Business Ethics</u> , 1983-present
"	<u>Newsletter on Philosophy and Technology</u> , 1995-present
"	<u>Philosophy and Economics</u> , 1992-present
"	<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

EDITORIAL WORK (continued)

Book Referee,	Cambridge University Press, 1991-present
"	Kluwer Academic Publishers, 1988-present
"	Macmillan Publishers, 1984-present
"	MIT Press, 1981-present
"	Oxford University Press, 1987-present
"	Prentice-Hall, 1984-present
"	Reidel Press, 1981-present
"	Rowman and Littlefield, 1991-present
"	Temple University Press, 1992-present
"	University of Arizona Press, 1991-present
"	University of California Press, 1984-present
"	University of Georgia Press, 1994-present
"	University Press of Kansas, 1992-present
"	Yale University Press, 1994-present
Panelist, Referee,	EPA, Atmospheric Research and Exposure Assessment, 1992-present
"	National Endowment for the Humanities, 1979-present
"	National Science Foundation, 1980-present
Program Committee,	1981 American Philosophical Association meeting
"	1986 Philosophy of Science Association meeting
"	Chair, 1995 Committee on Ethics of Science, 10th Congress of Logic, Methodology, Philosophy of Science
"	Chair, 1997 Program Committee, Risk Assessment and Policy Association Meeting
"	Chair, 1998 World Congress of Philosophy, Section on Philosophy and Technology

MEMBERSHIPS

American Philosophical Association; Advisory Committee on Ethics, 1989-1992
 Association Internationale de Cybernétique; American Board, 1976-1978
 Humanities and Technology Association; Board, 1980-1990
 International Society for Environmental Ethics; Nominating Committee 1992-present, President, 2000-2003
 Philosophy of Science Association; Nominating Committee, 1981-1982; Program Committee, 1986, 1998
 Society for Philosophy and Technology; Vice-President/President-Elect, 1983-1985; President, 1985-1987
 Risk Assessment and Policy Association, 1994-present; President, 1995-1998
 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's Environmental Monitoring/Assessment Program, 1993-1995
 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 RECEIVED

2000-2003 Principal Investigator, National Science Foundation, Grant SES-98-10611, "Nuclear Technology and the Ethics of Worker Radiation Risks," \$224,000.
 1996-1999 Principal Investigator, National Science Foundation, Grant SBR-9512133, "Values and Ecological Risk Assessment."
 1992-1995 Principal Investigator, National Science Foundation, Grant SBE-91-12661, "Environmental Ethics, Uncertainty, and Preservation Policy."
 1992-1993 Principal Investigator, National Science Foundation, Grant DIR-91-12445, "Laws and Explanation in Community Ecology."
 1992 Principal Investigator, US Department of Energy and Nevada NWPO, Grant DE-FG08-85-NV10461, "Risk Assessment, Expert Judgment, and Impacts of a Yucca Mountain Repository."
 1991-1992 Principal Investigator, US Department of Energy and Nevada NWPO, Grant 685873, 9.3.7, 4-C, "Expert Judgment in Assessing Radwaste Risks."
 1988-1991 Principal Investigator, National Science Foundation, Grant BBS-86-159533, "Normative Concepts in Ecology and Their Consequences for Policy."
 1987 Recipient, National Science Foundation/National Research Council, Travel Grant, "8th International Congress on Logic, Methodology, and Philosophy of Science," Moscow, USSR.
 1984-1987 Principal Investigator, National Science Foundation, Grant ISP-82-09517, "Ethical Issues in Siting Radioactive Waste Facilities."
 1982-1983 Principal Investigator, National Science Foundation, Grant SES-82-05112, "Four Methodological Assumptions in Risk-Cost-Benefit Analysis."
 1981 Recipient, National Science Foundation, Travel Grant, "German-American Colloquium on Philosophy and Technology."
 1980-1981 Principal Investigator, University of Louisville, Research Grant, "Public Policy and Radioactive Waste: Maxey Flats."
 1979 Principal Investigator, University of Louisville, Research Grant, "Nuclear Policy."
 1977-1978 Principal Investigator, University of Louisville, Research Grant, "Conceptual Difficulties in High-Energy Physics."
 1976-1977 Project Team Member, Environmental Protection Agency, Grant R-804848-01, "Ohio River Basin Energy Study."
 1974-1975 Principal Investigator, Kentucky Humanities Council, Grant, "Should Nuclear Power Plants Be Built in the Environs of Louisville?"

REFEREED PUBLICATIONS

(1A) BOOKS AND MONOGRAPHS: UNDER REVIEW OR FORTHCOMING

- (i) Public Ethics: Citizenship and Duties of Advocacy, forthcoming (4 drafts done).
- (ii) Radiation Protection and Ethics, forthcoming (1 draft done).
- (iii) Biomedical Ethics and Public-Health Risks, coedited with Heidi Giebel, currently under review by publisher.

(1B) BOOKS AND MONOGRAPHS: PUBLISHED

- (1) Environmental Justice: Creating Equality, Reclaiming Democracy (New York: Oxford University Press, 2002), in press. Italian translation forthcoming.
- (2) Technology and Human Values, coedited with Laura Westra (Savage, MD: Rowman and Littlefield, 1997), 472 pp.
- (3) The Ethics of Scientific Research (Savage, MD: Rowman and Littlefield, 1994), 243 pp.
- (4) Method in Ecology: Strategies for Conservation Problems, coauthored with biologist Earl D. McCoy (Cambridge: Cambridge University Press, 1993), 328 pp.⁴
- (5) 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.
- (6) Policy for Land: Law and Ethics, coauthored with political scientist Lynton K. Caldwell (Savage, MD: Rowman and Littlefield, 1993), 333 pp.
- (7) Expert Judgment in Assessing Radwaste Risks (Carson City, Nevada: Nuclear Waste Project Office/US Department of Energy, 1992), 225 pp.⁶
- (8) 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.
- (9) Nuclear Energy and Ethics, edited volume (Geneva: World Council of Churches, 1991), 233 pp.
- (10) Risk Analysis and Scientific Method: Methodological and Ethical Problems with Evaluating Societal Hazards (Boston: Kluwer, 1985), 232 pp.²
- (11) Science Policy, Ethics, and Economic Methodology: Some Problems with Technology Assessment and Environmental-Impact Analysis (Boston: Kluwer, 1984), 321 pp. (Italian translation is forthcoming).
- (12) Four Methodological Assumptions in Risk-Cost-Benefit Analysis (Springfield, Virginia: National Technical Information Service, 1983), 242 pp.²
- (13) Environmental Ethics (Pacific Grove, California: Boxwood Press, 1981); second edition 1991, 358 pp.; Japanese translation: Koyo Shobo (Tokyo: the English Agency, 1992). Czech translation, by E. Kohák and I. Míchal, forthcoming. Korean translation, by Il Bang Kim, to be published by Myung Jin Dang.
- (14) Nuclear Power and Public Policy: Social and Ethical Problems with Fission Technology (Boston: Kluwer, 1980); second edition, (1983). Spanish Translation: Política y energía nuclear: Problemas éticos y sociales de la tecnología de fisión, 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.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES: ACCEPTED FOR PUBLICATION¹

- (15) "Land Ethics and Property Rights," Advances in Human Ecology 3, in press.
- (16) "Future Generations and the Social Contract," in Making a Difference: Engineering, Ethics, and the Environment, ed. Aarne Vesilind and Alastair Gunn (Cambridge: Cambridge University Press), in press.
- (17) "Ethics, Uncertainty, and Hazardous Waste," Environmental Values and the Quality of Life, ed. Frederick Ferré, (Athens, GA: University of Georgia Press).
- (18) "Foreword: A New Ethics," in Willis Truitt, Marxist Ethics, forthcoming.
- (19) "Mildred, Catherine, and Learning at the Rainbow Cleaners," essay for Notre Dame Press volume on teaching, forthcoming.
- (20) "Conservation Biology," Encyclopedia of the Philosophy of Science, ed. Sahotra Sarkar, Garland Press, forthcoming, 2003.
- (21) "Environmental Ethics," Encyclopedia of the Philosophy of Science, ed. Sahotra Sarkar, Garland Press, forthcoming, 2003.
- (22) "Ethics and Environmental Policy," in Ethics and Environmental Policymaking, ed. C. Poli and P. Timmerman (Tokyo: United Nations University) in press.
- (23) "Democratic Policy, Accident Probabilities, and Environmental Risks," La Ricerca Sociale, in press.
- (24) "Foxes in the Ethics Hen House: Shortcomings in International and National Radiation Regulations," Natural Resources Journal, in press.
- (25) "Environmental Risks, Scientific Uncertainty, and Public Rationality," Nuovo Civiltà Delle Macchine, in press.
- (26) "Risk Assessment and Statistical Errors," Nuovo Civiltà Delle Macchine, in press.⁵
- (27) "Negotiating Truth: Risk Perception and Populist Epistemology," Nuovo Civiltà Delle Macchine, in press.²
- (28) "Ethical Dilemmas and Radioactive Waste," in Improving the Global Environment, ed. B.A. Ross (Clayton, MO., Alan Company), in press.^{5,6}
- (29) "Technology Assessment, Expert Disagreement, and Democratic Procedures," in Technology Assessment and Alternatives, ed. F. Ferré (Greenwich, CT: JAI Press), in press.²
- (30) "Environmental Impact Assessment, Technology Assessment, and the Problem of Geographical Equity," in Technology Assessment and Alternatives, ed. F. Ferré (Greenwich, CT: JAI Press), in press.
- (31) "The National Academy of Sciences and the Redbook Paradigm," RAPA Newsletter, forthcoming.
- (32) "Feelings, Fear, and Technological Risk," in Feeling and Thought, ed. B. Den Ouden, State University of New York Press, in press.
- (33) "High-Level Waste, Low-Level Logic," Philosophy and Social Action 22, no. 3 (1996): in press.
- (34) "Environmental Impact Assessment and the Fallacy of Unfinished Business," in Environmental and Social Impact Assessment, ed. M. Joyes (Athabasca, Alberta, Canada: Athabasca University, 1995), in press.
- (35) Review of Stewart Pickett, Jurek Kolasa, and Clive Jones, Ecological Understanding, in press.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

2002 (incomplete)

- (36) "Better Policy through Better Science: Using Metascience to Improve Dose-Response Curves in Biology," Philosophy of Science, forthcoming.
- (37) "Ethical, Logical, and Scientific Problems with the New ICRP Proposals," co-authored with physicist Lars Persson, Journal of Radiation Protection, 2002, in press.⁷
- (38) "Nonindigenous Species: Ecological Explanation, Environmental Ethics, and Public Policy," co-authored with biologist David Lodge, Conservation Biology, in press.
- (39) "Natural Rights and Human Vulnerability: Aquinas, MacIntyre, and Rawls," Public Affairs Quarterly 16, no. 2 (April 2002): 99-124.
- (40) "Risky Business: Nuclear Workers, Ethics, and the Market-Efficiency Argument," Ethics and the Environment 7, no. 1 (Spring 2002) in press.⁷
- (41) "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
- (42) "Trading Jobs for Health: Ionizing Radiation, Occupational Ethics, and the Welfare Argument," Scientific and Engineering Ethics (2002), in press.⁷
- (43) "Environmental Ethics," in Oxford Handbook for Political Ethics, ed. Hugh LaFollette (Oxford: Oxford University Press, 2002), in press
- (44) "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).
- (45) "Biocentrism, Biological Science, and Ethical Theory," in Land, Value, and Community, ed. James Hill and Wayne Ouderkirk (Albany: State University Press of New York, 2002), pp. 85-95.
- (46) "Environmental Justice, Supererogation, and Virtue Ethics," Technology and Cultural Values (Honolulu: University of Hawaii Press, 2002), in press.
- (47) "Environmental Justice, Native Peoples, and the Problem of Paternalism," in J. L. Lujan (ed.), Risk in Contemporary Society (Madrid: Biblioteca Nueva, 2002), in press.
- (48) "Ethics and Retaliation against Whistleblowers," in Singing in the Fire: Experiences of Women in Philosophy, ed. by L. M. Alcoff (Savage, MD: Rowman and Littlefield, 2002), in press.
- (49) "Review of DeShalit, The Environment in Theory and in Practice," Ethics 112, no. 2 (January 2002): 364-366.

2001 (incomplete)

- (50) "Using a Thought Experiment to Clarify a Radiobiological Controversy," Synthese: An International Journal for Epistemology, Methodology, and Philosophy of Science 128 (2001): 319-342.
- (51) "Non-Indigenous Species and Ecological Explanation," Biology and Philosophy 16, no. 4 (2001): 507-519.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

2001 (incomplete, continued)

- (52) "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
- (53) "MacIntyre on Human Rights," The Modern Schoolman LXXIX, no. 1 (November 2001): 1-21.
- (54) "Workplace Pollution: Nuclear Safety, Ethics, and the Exploitation-Avoidance Argument," Risk: Health, Safety, Environment 12 (Fall 2001): 311-334.⁷
- (55) "Ethical Problems in Radiation Protection," coauthored with physicist Lars Persson, Swedish Radiation Protection Society Reports 11 (2001): 1-39.⁷
- (56) "Ethics and the Rights of Natural Objects," in R. Chadwick and D. Schroeder, eds., Applied Ethics, vol. 4 (New York: Routledge, 2001), in press.
- (57) "Agricultural Ethics," in Encyclopedia of Ethics, vol. 1, second edition, ed. L. C. Becker (New York: Routledge Garland Publishing Company, 2001), pp. 45-48.
- (58) "Land Ethics," in Encyclopedia of Ethics, vol. 2, second edition, ed. L. C. Becker (New York: Routledge Garland Publishing Company, 2001), pp. 952-954.
- (59) "Technology," in Encyclopedia of Ethics, vol. 3, second edition, ed. L. C. Becker (New York: Routledge Garland Publishing Company, 2001), pp. 1687-1690.
- (60) "Risk Aversion," in Encyclopedia of Ethics, second edition, ed. L. C. Becker (New York: Routledge Garland Publishing Company 2001), in press.
- (61) "Practical Ecology and Foundations for Environmental Ethics," in C. Koggel, ed., Moral Issues in Global Perspective, Broadview, in press.
- (62) "A Defense of Risk-Cost-Benefit Analysis," in Environmental Ethics, ed. David Schmidtz and Elizabeth Willott, Oxford University Press, in press.
- (63) "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, USDOE, 2001), in press.
- (64) "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), in press.
- (65) "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), in press.
- (66) "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), in press.
- (67) "Defending the ICRP Principles: Response to Professor Klaus Becker," StrahlenschutzPraxis, co-authored with physicist Lars Persson, 7, no. 3 (2001): 80-82.⁷
- (68) "Response to Dr. J. H. Dunster," Health Physics 81, no. 4 October 2001): 465-467.⁷
- (69) "Defending the ICRP Principles," Response to Dr. Andrew Karam, co-authored with physicist Lars Persson, StrahlenschutzPraxis⁴ 7, no. 3 (2001): 85-87.⁷
- (70) "Individualism, Holism, and Environmental Ethics," in Ethics and the Environment, ed. Richard Wilk (New York: New York University Press, 2001), in press.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

2001 (incomplete, continued)

- (71) "Review of Weston, An Invitation to Environmental Ethics," Ethics 1111, no. 2 (January 2001): 459.
- (72) "Review of Wallace, The Environment 2," Quarterly Review of Biology 76, no. 4 (December 2001): 512.
- (73) "Review of Comstock, Vexing Nature: On the Ethical Case against Agricultural Biotechnology," Journal of Value Inquiry, in press.

2000 (incomplete)

- (74) "Radiobiological Hormesis, Methodological Value Judgments, and Metascience," Perspectives on Science 8, no. 4 (2001): 367-379.⁷
- (75) "Duties to Future Generations, Proxy Consent, Intra- and Inter-Generational Equity," Risk Analysis 20, no. 6 (December 2000): 771-778.
- (76) "Global Systems Models and Ecological Understanding," in Scientific Models, ed. Erwin Neuenschwander (Zurich: Geschichte der Naturwissenschaften, 2000), pp. 51-57.
- (77) "Environmental Justice and Procedural Safeguards," coauthored with Sean Walsh, University of Arizona Law Review 42, no. 2 (Summer 2000): 525-540.
- (78) "Skewing the Social Contract," Issues in Science and Technology 17, no. 1 (Fall 2000), in press.
- (79) "Expert Judgment, Metascience, and the Ethics of Science," co-authored with M. Hlavac and M. Hutchinson, Science and Engineering Ethics 6, no. 4 (October 2000), in press.
- (80) "Retaliation Against Whistleblowers," Philosophy and Social Action 26, no. 4 (October-December 2000): 43-56.
- (81) "Defending the ICRP Principles of Radiation Protection, coauthored with physicist Lars Persson, Strahlenschutz Praxis 6, no. 4 (November-December 2000), 47-49.⁷
- (82) "Radiation Protection and the Ethics of Worker Exposures," coauthored with physicist Lars Persson, Health Physics, in press.⁷
- (83) "Procedural Justice and Radiation Protection," in Ethical Issues in Radiation Protection, ed. Lars Persson (Stockholm, Swedish Radiation Protection Institute, 2000), pp. 39-48.⁷
- (84) "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
- (85) "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.
- (86) "Ecology and Environmental Philosophy," A Companion to Environmental Philosophy, ed. D. Jamieson (Blackwell's), in press.
- (87) "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. 167-184.⁷
- (88) "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).
- (89) "Ethics and Environmental Advocacy," Environmental Ethics and Forestry, ed. P. List (Philadelphia, Temple University Press, 2000), in press.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

2000 (incomplete, continued)

- (90) "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.
- (91) "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.
- (92) "Justice and Environmental Advocacy," Reflections 4 (April 2000) 4-5.
- (93) "Environmental Justice, Ethics, and Conflict Resolution," to be published by University of Padua, Italy, in press.
- (94) Review of Callicott, Beyond the Land Ethic, to appear in Ethics (October 2000), in press.

1999 (incomplete)

- (95) "Molecular Systematics, Ethics, and Biological Decisionmaking Under Uncertainty," coauthored with ecologist Earl D. McCoy, Conservation Biology 13, no. 5 (October 1999): 1008-1012.
- (96) "Cancer-Risk Models and Statistical Casualties," Politics and the Life Sciences (September 1999): 227-228.
- (97) "Low-Level Chemical Exposures and High-Level Risks," Organization and Environment 12, no. 1 (March 1999): 117-122.
- (98) "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.
- (99) "Giustizia ambientale, etica e risoluzione dei conflitti," in Pierpaolo Foggi e Angelo Turco (eds.), Confitti Ambientali (Milan: Edizioni Unicopli, 1999), pp. 79-104.
- (100) "Chernobyl, Global Environmental Justice, and Mutagenic Threats," in Global Ethics and the Environment, ed. Nicholas Low (London: Routledge, 1999).
- (101) "Reductionist Philosophy of Technology," Techné: 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

- (102) "Chemical Sensitivities: A Second Look," BioScience 48, no. 12 (December 1998): 1045-1046.
- (103) "Ethical Theory versus Unethical Practice," Ethics and the Environment 3, no. 2 (1998): 119-130.
- (104) "First Things First: Balancing Scientific and Ethical Values in Environmental Science," Annals of the Association of American Geographers 88, no. 2 (1998): 287-289.
- (105) "What Risk Management Teaches Us About Ecosystem Management," Landscape and Urban Planning 40, nos. 1-3 (1998): 141-150.
- (106) "Uncertainty and the Producer Strategy," in Regulation, ed. Robert Baldwin, Colin Scott, and Christopher Hood (Oxford: Oxford University Press, 1998), pp. 270-287.
- (107) "Sustainability and Environmental Ethics," in Ecological Sustainability and Integrity, ed. John Lemons, Laura Westra, and Robert Goodland (London: Kluwer, 1998), pp. 16-30.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1998 (continued)

- (108) "Hazardous and Toxic Substances," in Encyclopedia of Applied Ethics, vol. 2, ed. Ruth Chadwick (San Diego, CA: Academic Press, 1998), pp. 525-532.
- (109) "Risk," in Encyclopedia of Philosophy, ed. E. Craig (London: Routledge, 1998), pp. 331-334.
- (110) "Risk Assessment," in Encyclopedia of Philosophy, ed. E. Craig (London: Routledge, 1998), pp. 334-338.
- (111) "Introduction: The Importance of Evaluating Assessments of *in vitro* Fertilization," in Making Babies: Biomedical Technologies, Reproductive Ethics, and Public Policy, by Inmaculada de Melo-Martín (London: Kluwer, 1998), pp. xi-xii.
- (112) "Nuclear Power," in Encyclopedia of Applied Ethics, vol. 3, ed. Ruth Chadwick (San Diego, CA: Academic Press, 1998), pp. 343-351.
- (113) "A Defense of Risk-Cost-Benefit Analysis," in Louis Pojman (ed.), Environmental Ethics (Portola Valley, CA: Jones and Bartlett, 1998), pp. 507-514.
- (114) "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.
- (115) "Ecological Sense and Environmental Nonsense," Reflections, Special Issue 3 (Summer 1998): 11-12.
- (116) Review of Chemical Exposures: Low Levels and High Stakes, by Ashford and Miller, Environment 40, no. 8 (October 1998): 26-27.

1997

- (117) "Hydrogeology and Framing Questions Having Policy Consequences," Philosophy of Science 64 (Supplement 1997): S149-S160.
- (118) "Ethical Issues in Radiation Protection," coauthored with physicist Lars Persson, Health Physics 73, no. 2 (August 1997): 378-382.
- (119) "Ecological Risk Assessment and Ecosystem Health: Fallacies and Solutions," Ecosystem Health (March 1997), 1-9.
- (120) "Academy Recommendations on the Proposed Yucca Mountain Waste Repository: Overview and Criticisms," Risk 8 (Winter 1997): 25-38.
- (121) "Elite Folk Science and Environmentalism," Organization and Environment 10, no. 1 (March 1997): 23-25.
- (122) "How Some Risk Frameworks Disenfranchise to Public," Risk 8 (Winter 1997): 1-8.
- (123) "Amenazas tecnológicas y soluciones democráticas," Ciencia, tecnología y sociedad, ed. Marta I. González García, José A. López Cerezo, and José Luis Luján (Barcelona: Editorial Ariel, S. A., 1997), pp. 225-236. Castellana translation by Marta I. González García.
- (124) "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.
- (125) "Ecological Theory Is Problematic," in Environmental Biology, ed. Byron Lamont (Perth, Australia: Curtin University of Technology, 1997).
- (126) "Risk-Benefit Analysis" in Safety Engineering, ed. Manuel Belino (Manila, Philippines: De La Salle University, 1997).
- (127) "Ethical Issues in Technology," in Blackwell Encyclopedic Dictionary of Business Ethics, ed. P. Werhane and Edward Freeman (Cambridge, MA: Blackwell, 1997).
- (128) "An Apologia for Activism," in The Environmental Ethics and Policy Book, 2nd ed., ed. C. Pierce and D. Van DeVeer (Wadsworth, 1997).

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1997 (continued)

- (129) Review of Deborah G. Mayo, Error and the Growth of Experimental Knowledge, Risk 8 (Fall 1997): 409-410.
- (130) Review of Peter Dorman, Markets and Mortality, Economics and Philosophy 13 (October 1997): 348-351.
- (131) Review of Ike Jeanes, Forecast and Solution: Grappling with the Nuclear, Journal of Agricultural and Environmental Ethics 10 (1997): 82-84.
- (132) Review of Larry Laudan, The Books of Risks, Philosophy of Science 64, no. 3 (1997): 521-524.

1996

- (133) "Nuclear Waste: The Academy and Million-Year Estimates," Quarterly Review of Biology 71, no. 3 (September 1996): 1-5.
- (134) "Throwing Out the Bathwater of Positivism, Keeping the Baby of Objectivity: Relativism and Advocacy in Conservation Biology," Conservation Biology 10, no. 3 (June 1996): 2-4.
- (135) "Science Versus Educated Guessing," BioScience 46, no. 7 (July/August 1996): 488-489.
- (136) "Environmental Justice and Native Americans: The Mescalero Apache and Monitored Retrievable Storage," Natural Resources Journal 36, no. 4 (Fall 1996): 943-954.
- (137) "Calculated Risks," Trends in Ecology and Evolution 11, no. 3 (March 1996): 144.
- (138) "Individualism, Holism, and Environmental Ethics," Ethics and the Environment 1, no. 1 (1996): 51-66.
- (139) "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.
- (140) "Global Responsibility and Active Ethical Advocacy," Philosophy and Social Action 22, no. 3 (July-September 1996): 9-13.
- (141) "Scientific Ethics," in Encyclopedia of Physics, ed. John S. Rigden (New York: MacMillan, 1996), pp. 523-525.
- (142) "Social Responsibility," in Encyclopedia of Physics, ed. John S. Rigden (New York: Macmillan, 1996), pp. 1448-1450.
- (143) "Comparative Risk Assessment and the Naturalistic Fallacy," in Readings in Environmental Science, ed. Michael McKinney and Parri Shariff (Glenview, IL: West Publishing, 1996).
- (144) "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.
- (145) "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.
- (146) "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.
- (147) "Environmental Justice: A Louisiana Case Study," coauthored with Daniel Wigley, Journal of Agricultural and Environmental Ethics 8, no. 3 (April 1996): 61-82.
- (148) "Environmental Racism and Biased Methods of Risk Assessment," coauthored with Daniel Wigley, Risk: Health, Safety, and Environment 7 (Winter 1996): 55-88.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1996 (continued)

- (149) "Environmental Ethics," in Encyclopedia of the Future, ed. G.T. Kurian and G.T. Molitor (New York: Macmillan, 1996).
- (150) Review of Ike Jeanes, Forecast and Solution: Grappling with the Nuclear, Canadian Public Policy/Analyse de Politiques XXII, No. 4 (1996): 391-393.
- (151) Review of Riley Dunlap, Michael Kraft, and Eugene Rosa (eds.), Public Reactions to Nuclear Waste, Environment 38, no. 4 (May 1996): 26.
- (152) Review of Adam Finkel and Dominic Golding (eds.), Worst Things First? in Environment 38, no. 3 (April 1996): 26.
- (153) Review of Ike Jeanes, Forecast and Solution, Journal of Agricultural and Environmental Ethics (1996):

1995

- (154) "Practical Ecology and Foundations for Environmental Ethics," Journal of Philosophy XCII, no. 12 (December 1995): 621-635.
- (155) "Number Crunching and Comparative Assessment of Environmental Risks," BioScience 45, no. 2 (February 1995): 66.
- (156) "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).
- (157) "Feminist Epistemology and Its Consequences for Policy," Public Affairs Quarterly 9, no. 2 (April 1995): 155-173.
- (158) "Environmental Risk and the Iron Triangle: The Case of Yucca Mountain," Business Ethics Quarterly 5, no. 4 (April 1995): 753-777.
- (159) "Evaluating the Expertise of Experts," Risk: Environment, Health, and Safety 6, no. 2 (Spring 1995): 115-126.
- (160) "Ecological Risk Assessment: Two Problematic Paradigms," Ecology of Industrial Regions 1, Nos. 1-2 (November 1995): 99-110.
- (161) "Natural Landscapes, Natural Communities, and Natural Ecosystems," coauthored with E.D. McCoy, Forest and Conservation History 39, no. 3 (July 1995): 138-142.
- (162) "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.
- (163) "RAPA and Risk," coauthored with Dalton Paxman and Tom Field, Risk: Health, Safety, and Environment 6, no. 2 (Spring 1995): 95-96.
- (164) "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.
- (165) "Ethical Dilemmas and Radioactive Waste," in The Ethics of the Environment, ed. Andrew Brennan, International Research Liberal of Philosophy (Aldershot, Hants., England: Brookfield, VT: Dartmouth, 1995), pp. 477-494.
- (166) "Defining Natural Communities and Natural Ecosystems," coauthored with E.D. McCoy, Natural Areas Report 7, no. 3 (Fall 1995): 4-5.
- (167) "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.
- (168) "Response to Cook and Boak," Bulletin of the Atomic Scientists 51, no. 2 (March/April 1995): 76-77.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1995 (continued)

- (169) "Response to Carter," Bulletin of the Atomic Scientists 51, no. 1 (January/February 1995):66-67.
- (170) "Nuclear Waste and Agenda 21," in Sustainable Development: Science, Ethics, and Public Policy, ed. John Lemons and Donald Brown (Dordrecht: Kluwer, 1995), pp. 254-274.
- (171) "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).
- (172) "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.
- (173) "Review of Gillroy, Environmental Risk, Environmental Values, Ethics, 105, no. 3 (April 1995): 690-691.
- (174) 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.
- (175) Review of Laura Westra, An Environmental Proposal for Ethics: The Principle of Integrity, Environmental Ethics 17, no. 4 (Winter 1995): 433-435.
- (176) 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

- (177) "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.
- (178) "The Meaning of Models: Response," with N. Oreskes and K. Belitz, Science 264 (April 15, 1994): 331.
- (179) "Applied Ecology and the Logic of Case Studies," Philosophy of Science 61, no. 1 (June 1994):228-249.⁴
- (180) "Science, Risk Assessment, and the Frame Problem," BioScience 44, no. 8 (September 1994): 584-551.
- (181) "Ecosystem Health: A New Paradigm for Ecological Assessment?" Trends in Ecology and Evolution 9, no. 12 (December 1994): 456-457.
- (182) "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).
- (183) "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.
- (184) "Environmental Risk Assessment and Nuclear Waste Disposal," Epistemologia 17, no. 1 (1994): 53-72.
- (185) "High-Level Waste, Low-Level Logic," Bulletin of the Atomic Scientists 50, no. 6 (November/December 1994): 40-45.⁶
- (186) "Equity and Nuclear Waste Disposal," Journal of Agricultural and Environmental Ethics 7, no. 2 (October 1994): 133-156.
- (187) "What Ecology Can Do for Environmental Management," coauthored with biologist E.D. McCoy, Journal of Environmental Management 41, (1994): 293-307.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1994 (continued)

- (188) "Expert Judgment and Nuclear Risks," Journal of Social Philosophy, 25, no. 1 (Spring 1994):45-70.⁶
- (189) "How the Tail Wags the Dog: How Value Judgments Determine Ecological Science," coauthored with E.D. McCoy, Environmental Values 3 (1994):107-120.⁴
- (190) "Ecology and Environmental Problem Solving," coauthored with ecologist Earl McCoy, The Environmental Professional, 16, no. 4 (December 1994): 285-291.⁴
- (191) "Il Patto Faustiano: Il potere degli scienziati e quello dei governi" ["Energy, Ethics, and the Faustian Bargain"], Prometeo 12, no. 46 (1994): 72-77.
- (192) "The Community Concept in Community Ecology," coauthored with E.D. McCoy, Perspectives on Science 2, no. 4 (1994): 455-475 (appeared in 1995).
- (193) "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.
- (194) "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.
- (195) "Hazardous Wastes and Toxic Substances," Encyclopedia of Bioethics, vol. 2, ed. W. Reich (New York: Prentice-Hall, 1994), pp. 1026-1032.
- (196) "Technology Assessment," Encyclopedia of Bioethics, vol. 5, ed. W. Reich (New York: Prentice-Hall, 1994), pp. 2484-2490.
- (197) "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.
- (198) "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.
- (199) "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.
- (200) "Lay 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.
- (201) "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.
- (202) "Global Responsibility, Ethical Advocacy, and Environmental Problems," in Ethics and Environmental Policy: Theory Meets Practice, ed. F. Ferré and P. Hartel (Athens: University of Georgia Press, 1994), pp. 178-194.
- (203) "Sustainability and Environmental Ethics," in The Notion of Sustainability and its Normative Implications, ed. Gunnar Skirbekk (Oslo: Scandinavian University Press, 1994), pp. 57-79.
- (204) "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.
- (205) "Review of Gillroy, Environmental Risk, Environmental Values, American Political Science Review 88, no. 2 (June 1994): 496-497.
- (206) "Review of Dunlap, Kraft, and Rosa, Public Reactions to Nuclear Waste," Contemporary Sociology 23, no. 4 (July 1994):516-517.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1993

- (207) "Locke and Limits on Land Ownership," Journal of the History of Ideas 54, no. 2 (April 1993): 201-219.
- (208) "Technological Risk Evaluation and Management," Advances in Human Ecology 2 (1993): 157-186.
- (209) "Consent and Nuclear Waste Disposal," Public Affairs Quarterly 7, no. 4 (October 1993): 363-378.
- (210) "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
- (211) "Risk Methodology and Institutional Bias," Research in Social Problems and Public Policy 5 (1993): 205-221.
- (212) Review of R.M. Cooke, Experts in Uncertainty: Opinion and Subjective Probability in Science, Ethics 103, no. 3 (April 1993): 599-602.
- (213) "Review of Beck, Risk Society, and Brown, Environmental Threats," Environmental Values 2, no. 4 (Winter 1993): 367-369.

1992

- (214) "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
- (215) "Rischi ambientali incertezza scientifica e pubblica irrazionalità," Nuovo Civiltà Delle Macchine IX, no. 1 (1992): 77-86.²
- (216) "Dobrovolná střídmost a morální povinnost omezovat spotřebu," Veronica VI (1992): 14-17.
- (217) Diskuse -- Jak žít v souladu s omezenými možnostmi přírody a krajiny Jak žít v dobrovolné střídmosti," Veronica VI (1992): 14-17.
- (218) "Community Ecology, Scale, and the Instability of the Stability Concept," coauthored with biologist Earl McCoy, in Philosophy of Science Association 1992, ed. M. Forbes and D. Hull (East Lansing: Philosophy of Science Association, 1992), pp. 84-99.⁴
- (219) "Risk Estimation and Expert Judgment: The Case of Yucca Mountain," Risk: Issues in Health and Safety 3, no. 4 (1992): 283-315.^{5, 6}
- (220) "Science, Democracy, and Public Policy," Critical Review 6, nos. 2-3 (Spring-Summer 1992): 1-10.
- (221) "Calibrating Assessors of Technological and Environmental Risk," Research in Philosophy and Technology 12 (1992): 147-155.²
- (222) Expert Judgment and the Frame Problem: A 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
- (223) "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.
- (224) "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
- (225) "Agricultural Ethics," in Encyclopedia of Ethics, ed. L.C. Becker, vol. 1 (New York: Garland Publishing Company, 1992), pp. 30-33.
- (226) "Land Ethics," in Encyclopedia of Ethics, ed. L.C. Becker, vol. 2 (New York: Garland Publishing Company, 1992), pp. 683-685.
- (227) "Technology and Ethics," in Encyclopedia of Ethics, ed. L.C. Becker, vol. 2 (New York: Garland Publishing Company, 1992), pp. 1231-1234.
- (228) "Review of N. Ashford and C. Miller, Chemical Exposures for Risk Analysis, in Risk Analysis 12, no. 1 (March 1992):161.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1992 (continued)

- (229) Review of R.M. Cooke, Experts in Uncertainty: Opinion and Subjective Probability in Science, Canadian Philosophical Reviews 12, no. 6 (December 1992): 393-395.
- (230) 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.
- (231) "Review of Draper, Risky Business," Risk: Issues in Health and Safety 3, no. 3 (Summer 1992): 267-271.
- (232) "Review of Cooke, Experts in Uncertainty," Risk Issues in Health and Safety 3, no. 3 (Summer 1992): 263-267.

1991

- (233) "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).
- (234) "Ethical Dilemmas and Radioactive Waste," Environmental Ethics 13, no. 4 (Winter 1991): 327-343.³
- (235) "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
- (236) "Tecnicismo e moralismo proiettati sull' oggi," Prometeo 9, no. 34 (Giugno 1991): 101-112.
- (237) "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, Vol. 6 (Boston: Kluwer, 1991): 175-189.
- (238) "L'etica nella politica ambientale," in C. Poli and P. Timmerman (eds.) L'Etica Nelle Politiche Ambientali (Padova: Gregoriana Libreria Editrice, 1991), 181-196.
- (239) "A Philosophical Basis for a Biocentric Ethics," Earth Ethics Report 1, no. 1 (December 1991): 25-31.
- (240) "Pesticide Policy and Ethics," in Ethics and Agriculture, ed. C. Blatz (Moscow, Idaho: University of Idaho Press, 1991): 426-433.
- (241) "Property and Procedural Justice," in Ethics and Agriculture, ed. C. Blatz (Moscow, Idaho: University of Idaho Press, 1991), pp. 160-171.
- (242) Review of R. Lipschutz, When Nations Clash, in Society and Natural Resources, 3, no. 4 (1991): 406-408.
- (243) Review of A. Schmid, Benefit-Cost Analysis, in Ethics 101, no. 2 (January 1991): 442.

1990

- (244) "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
- (245) "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
- (246) "Perceived Risks Versus Actual Risks: Managing Hazards Through Negotiation," Risk: Issues in Health and Safety 1, No. 341 (Fall 1990): 341-363.²

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1990 (continued)

- (247) "Theory Reduction and Explanation in Ecology," coauthored with biologist E. McCoy, Oikos 58, No. 1 (1990): 109-114.⁴
- (248) "Ethics and Risk-Benefit Analysis," Ethical and Policy Issues Perspectives 9, no. 2 (January 1990): 6-7.²
- (249) "Three Arguments against Simplicity," in Aesthetic Factors in Natural Science, ed. N. Rescher (Pittsburgh: University of Pittsburgh Press, 1990), pp. 11-26.³
- (250) "Environmental Risk and Improving the Reliability of Engineers," Society of Plastics Engineers Spectator 20, No. 1 (October 1990): 18-20.²
- (251) "Models, Scientific Method, and Environmental Ethics," in Upstream/Downstream: Issues in Environmental Ethics, ed. D. Scherer, (Philadelphia: Temple University Press, 1990), pp. 90-120.³
- (252) "Scientific Method, Anti-Foundationalism, and Public Decisionmaking," Risk: Issues in Health and Safety 1, No. 4 (Fall 1990): 341-363.²
- (253) "Biological Holism and the Evolution of Ethics," Between the Species 6, No. 4, (Fall 1990): 185-192.
- (254) "Biology and Ethics," Between the Species 6, No. 4 (Fall 1990): 195-196.
- (255) Review of C. Gould, The Information Web, Canadian Philosophical Review 10, No. 3 (1990).

1989

- (256) "Idealized Laws, Anti-Realism, and Applied Science: A Case in Hydrogeology," Synthese: An International Journal in Logic, Epistemology, and Philosophy of Science 81 (1989): 329-352.³
- (257) "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
- (258) "Scientific Progress and Models of Justification," in Science, Technology, and Social Progress, ed. Steven Goldman (London: Associated University Presses, 1989), pp. 196-226.³
- (259) "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
- (260) "El riesgo industrial, las fronteras nacionales y la igualdad de protección," in Anthropos, No. 94-95 (March/April 1989): 67-74.²
- (261) "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
- (262) "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
- (263) "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.
- (264) "Risk Methodology and the Pesticide Dilemma," in The Agrarian, ed. C. Sieverdes (Clemson, South Carolina: College of Agricultural Sciences, 1989), pp. 43-55.²

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1989 (continued)

- (265) "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
- (266) "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
- (267) "Helping Science Serve Society," in Hoe Toonaangevend is de Universiteit? ed. H. de Ward, (Groningen: University of Groningen, The Netherlands, 1989), pp. 75-89.

1988

- (268) "Parfit, Risk Assessment, and Imperceptible Effects," Public Affairs Quarterly 2, No. 4 (October 1988): 75-96.
- (269) "Values and Hydrogeological Method: How Not to Site the World's Largest Nuclear Dump," Energy Policy Studies 4 (1988): 101 ff.³
- (270) "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
- (271) "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
- (272) "Agriculture, Ethics, and Restrictions on Property Rights," Journal of Agricultural Ethics 1, No. 1 (1988): 21-40.
- (273) "Ethics for the Earth," Sierra 73, No. 6 (November/December 1988): 118-123.
- (274) "Ethical Resolution of Risk Conflicts," in Assessing Social and Economic Effects of Perceived Risk, ed. S. Nealy and E. Liebow, PNL-6515, BHARC-800/88/005, UC-70 (Richland, Washington: Batelle Pacific Northwest Laboratories 1988), pp. 9.1 ff.
- (275) "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

- (276) "Introducing Philosophy ...," in Demonstrating Philosophy, ed. A. Wilson (New York: University Press of America, 1988), pp. 175-186.
- (277) 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.
- (278) "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. 259-276.²
- (279) "Parfit and Mistakes in Moral Mathematics," Ethics 97 (October 1987): 50 ff.
- (280) "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.
- (281) "Land-Use Planning and Analytic Methods of Policy Analysis," Business and Professional Ethics Journal 6, No. 2 (Summer 1987): 41-46.
- (282) "Four Land Ethics," The Environmental Professional 9 (1987): 121 ff.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1987 (continued)

- (283) "The Real Risks of Risk-Cost-Benefit Assessment," in Technology and Responsibility, ed. P. Durbin (Boston: Reidel, 1987): 343 ff.²
- (284) "Review of Taylor's Respect for Nature," Ecology Law Quarterly 14, No. 2 (1987): 389 ff.
- (285) "Review of R. Tong, Ethics in Policy Analysis," Teaching Philosophy 10, No. 3 (September 1987): 250 ff.
- (286) "Review of T.R. DeGregori, A Theory of Technology," Technology and Culture (October 1987): 897.

1986

- (287) "Technological Risk and Small Probabilities," Journal of Business Ethics, 4 (1986): 431-445.²
- (288) "The Conceptual Risks of Risk Assessment," IEEE Technology and Society 5, No. 2 (June 1986): 4 ff.
- (289) "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.
- (290) "Pollution as a Criminal Act," Environment 28, No. 5 (June 1986): 3 ff.
- (291) "The Real Risks of Risk-Cost-Benefit Analysis," Technology in Society 7, No. 4 (1986): 399-409.²

1985

- (292) "The Plutonium Economy: Technological Links and Epistemological Problems," Research in Philosophy and Technology 8 (1985): 189 ff.
- (293) "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
- (294) "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.
- (295) "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

- (296) "Technology Assessment, Expert Disagreement, and Democratic Procedures," Research in Philosophy and Technology 8 (1984): 103 ff.²
- (297) "Agriculture, Property, and Procedural Justice," Agriculture and Human Values 1, No. 6 (Summer 1984): 15-28.
- (298) "Engineering Ethics," IEEE Spectrum 21 (1984): 10.
- (299) 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 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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1983

- (300) "Society, Ethics, and Economic Methodology: The Philosophical Case for Risk-Cost-Benefit Analysis," The Journal of Philosophy LXXX, No. 10 (October 1983): 659 ff.²
- (301) "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.
- (302) "Ethics and Energy," in T. Regan (ed.), Earthbound (New York: Random House, 1983), pp. 107-146.
- (303) "Risk-Assessment Methodology and the Challenge to Jeffersonian Democracy," Energy Policy Studies 1 (Summer 1983): 29-45.²
- (304) "Comments on the Appalachian Technical Association Program Final Report," in A.J. Fritsch (ed.), Appalachian Technical Association Final Report (Livingston, Kentucky: Appalachia Science in the Public Interest, 1983), pp. 55 ff.⁵
- (305) Review of A. Lovins, Non-Nuclear Futures, Environmental Review 7 (1983): 110 ff.

1982

- (306) "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.
- (307) "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.
- (308) "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.
- (309) 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
- (310) "Das Quantifizierungsproblem bei der Technikbewertung," in Technikphilosophie in der Diskussion, ed. F. Rapp and P. Durbin (Wiesbaden, West Germany: Vieweg, 1982), pp. 123 ff.
- (311) "Environmental-Impact Assessment and the Fallacy of Unfinished Business," Environmental Ethics 4 (1982): 37 ff.
- (312) "Environmental-Impact Analysis, Technology Assessment, and the Problem of Geographical Equity," Research in Philosophy and Technology 5 (1982): 63 ff.
- (313) "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
- (314) "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.
- (315) Review of George Gale, Theory of Science, Teaching Philosophy 5 (1982): 83 ff.
- (316) Review of N. Rescher, Unpopular Essays on Technological Progress, Environmental Ethics 4 (1982): 363 ff.
- (317) Review of D. Nelkin and M. Pollak, The Atom Besieged, Technology and Culture 23 (1982): 662-664.

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1981

- (318) "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

- (319) "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. 302 ff.
- (320) "Technology Assessment as Applied Philosophy of Science," Science, Technology, and Human Values 6 (Fall 1980): 33 ff.
- (321) "Technology, Public Policy, and the Price-Anderson Act," Research in Philosophy and Technology 3 (1980): 313 ff.
- (322) "Ecological Justice and Low-Level Radiation," Journal of American Culture 3 (1980): 501 ff.
- (323) "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

- (324) "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.
- (325) "Kenneth Sayre on Information-Theoretic Models of Mind," Research in Philosophy and Technology 2 (1979): 371 ff.
- (326) "Technology Assessment, Future Generations, and the Social Contract," Journal for the Humanities and Technology 1 (1979): 3 ff.
- (327) "Energy and Ethics: The Case Against Nuclear Power," Kentucky Monthly 1, (August/September 1979): 15 ff.
- (328) "Ethics and the Assessment of Environmental Impacts," Landscape Architecture 69 (September 1979): 523 ff.

1978

- (329) "The Ohio River Basin Energy Study: Methodological and Ethical Problems," Ohio River Basin Energy Study Report, IV (June 1978): 50 ff.⁶
- (330) "Penology and Ideology: Ethics and Criminal Responsibility," Federal Probation 42 (June 1978): 9 ff.

1977

- (331) "Atomism in Crisis: An Analysis of the Current High-Energy Paradigm," Philosophy of Science 44 (September 1977): 409-440.
- (332) "Information-Theoretic Descriptions and Physicalistic Accounts of Mind," Cybernetica 20 (Fall 1977): 223 ff.
- (333) "Analysis of Scientific Methodologies Used in Technology Assessment," Ohio River Basin Energy Study Report, 11B (May 1977): 2.30 ff.⁵

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 PUBLICATIONS (continued)

(2) SELECTED ARTICLES

1976

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

(3) NON-REFEREED PUBLICATIONS

1975

- (335) "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.
- (336) "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

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

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.

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, Risk Analysis, Social Indicators Research, Technology and Culture, and related journals.

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 (Baden-Württemberg, Germany); University of Alabama; University of Alberta; American Association for the Advancement of Science; University of Arizona; College of the Atlantic; Baker University; Ball State University; Baylor University; Battelle National Labs; University of Bergen (Norway); Boston University; Brown University; University of British Columbia; Bryn Mawr; University of California, Berkeley; University of California, San Diego; University of California, Santa Barbara; Case Western Reserve University; University of Chicago; University of Cincinnati; Clark University; Clemson University; University of Colorado, Boulder; Cornell University; University of Maria-Curie-Sklodowska (Poland); Dalhousie University (Nova Scotia); Dartmouth College; University of Delaware; Delft University of Technology; Denison University; Environmental Research Labs, EPA; Evergreen College; University of Florida; Florida State University; Franklin Pierce Law Center; George Mason University; Georgetown University; University of Georgia; Georgia Institute of Technology; Georgia State University; University of Gothenburg (Sweden); University of Groningen (Netherlands); University of Guelph (Ontario); Harvard University; Hastings Center; University of Hawaii; University of Houston; Indiana University; International Executive Forum (San Diego); Iowa State University; James Madison University; Jewish Theological Seminary, New York; University of Kentucky; Lafayette College; University of Maryland; Massachusetts Institute of Technology; McGill University; Miami University; University of Michigan; Michigan State University; University of Minnesota; University of Missouri; University of Montana; Moscow State University (USSR); National Conference of Catholic Bishops; University of Nevada, Las Vegas; University of Nevada, Reno; University of New England; University of New Hampshire; University of New Mexico; New York Academy of Sciences; North Carolina State University; University of North Carolina, Chapel Hill; Northwestern University; University of Notre Dame; Nova Scotia Agricultural College; Oak Ridge National Labs; Oberlin College; US Office of Personnel Management; Ohio State University; University of Oregon; Oregon State University; University of Oslo (Norway); University of Ottawa (Canada); University of Padua (Italy); Penn State University; University of Pittsburgh; Princeton University; Purdue University; Resources for the Future; University of Richmond; Sarah Lawrence College; University of South Carolina; Southern Illinois University; Swedish Institute for Future Studies (Stockholm); the Swedish Risk Academy (Stockholm); Swiss Academy of Sciences; University of Tennessee; University of Toledo; University of Trondheim (Norway); Twente Technological University (The Netherlands); USSR Academy of Sciences; Utah State University; United Nations Environment Programme; Polytechnic University of Valencia (Spain); Vanderbilt University; Virginia Polytechnic Institute and State University; University of Victoria (British Columbia); University of Washington; University of Waterloo (Canada); Western Behavioral Sciences Institute (San Diego); Williams College; University of Winnipeg (Manitoba); University of Wisconsin; Woods Hole Oceanographic Institution; World Council of Churches (Switzerland); World Resources Institute; University of Wyoming; Yale University.

SELECTED UNIVERSITY AND COMMUNITY SERVICE, PRESENT AND PAST

Notre Dame Graduate Council, 1998-2000
 University Committee on International Studies, 1998-2000
 Kroc Institute for International Peace Studies, Fellow, 1999-present
 Hesburgh Lecture Series, 1998-present
 Steering Committee, Notre Dame History and Philosophy of Science, 1998-2000
 USF Library Focus Group, 1995-1998
 Board of Directors, USF Division of Sponsored Research, 1994-1995
 Chair, Distinguished Research Professors' Course Committee, 1992-1996
 Graduate Committee, Department of Philosophy, 1990-1997
 Chair, Department Library Committee, 1990-1998
 Task Force on Future Academic Priorities, 1990-1991
 Chair, Distinguished Research Professor Screening Committee, 1987-1988, 1989-1990, 1991-1992
 Colloquium Coordinator, Philosophy Department, 1988-1990
 Graduate Coordinator, Department of Philosophy, 1985-1986
 University Graduate Council, 1983-1984
 Chair, Central University Library Committee, 1982
 Chair, University Commission on Academic Excellence, 1982
 Chair, University Plans and Policy Committee, 1981
 Vice-Chair, University Faculty Senate, 1981
 Democratic Party Committee Woman, 35th Legislative District, Precinct B-11, 1976-80
 Governing Board, Louisville Civil Liberties Union, 1976-1979
 Advisor, National Consortium, Black Professional Development, 1975-1980
 Local Coordinator, International Safe Energy Conference, 1978
 Energy Advisor, Louisville Board of Aldermen, 1975-1978