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## Five Year Cumulative Index: Articles and Comments by Title

RISK Editorial Board

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# Five Year Cumulative Index\*

## Articles and Comments by Title\*\*

Baruch Fischhoff, *Acceptable Risk: A Conceptual Proposal*

Challenges "de minimis risk." Argues that risks ought not be considered apart from benefits and views of those exposed. Also suggests ways to meet the latter goals.

5.1

Branden B. Johnson, *Advancing Understanding of Knowledge's Role in Lay Risk Perception*

After examining how knowledge affects lay risk perception, suggests that better understanding can also illuminate experts' hazard knowledge.

4.189

Michael A. Royal, *Amalgam Fillings: Do Dental Patients Have a Right to Informed Consent?*

In light of controversial studies of amalgam fillings argues that health risks warrant permitting patients to choose alternative materials.

2.141

Mary Harris Veeder, *Authorial Voice, Implied Audiences and the Drafting of the 1988 AIDS National Mailing*

Based on an analysis of drafts of the 1988 ANM concludes that risk communicators should attend to audience needs rather than competing truth claims.

4.287

Timothy P. Linkkila & Timothy E. Tracy, *Biotechnology Process Patents: Is Special Legislation Needed?*

Reviews events prompting proposed changes to the patent law and argues that pending bills may cause more problems than they solve.

5.177

Herbert Inhaber, *Can an Economic Approach Solve the High-Level Nuclear Waste Problem?*

Proposes a noncoercive siting strategy called a "reverse Dutch auction."

2.341

Jeannette M. Trauth, *A Case Study of Health Risk Communication: What the Public Wants and What it Gets*

Analyzes 40 years of coverage of a major source of pollution by a Pittsburgh newspaper and summarizes a survey used, e.g., to learn citizens' need for knowledge.

5.49

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\* Beginning with volume 5, Risk: Issues in Health & Safety became Risk: Health, Safety & Environment.

\*\* Book reviews are separately indexed below.

Pagination refers to both page and volume; e.g., 2.37 indicates vol. 2, at 37.

L. James Valverde A., Jr., *The Cognitive Status of Risk: A Response to Thompson*

Discusses the role of probability theory in risk analysis and management; argues against overemphasis on the distinction between risk subjectivism and risk objectivism.

2.313

John D. Graham & David R. Holtgrave, *Coke Oven Emissions: A Case Study of Technology-Based Regulation*

Based on coke oven experience, argues that forcing technology beyond demonstrated competence can be expensive and ineffective.

1.245

Sharon Dunwoody, *Community Structure and Media Risk Coverage*

Professor Dunwoody regards media organizations to be community creatures; their accounts to be social constructions; and answers to "Who's right?" to be relative.

5.193

Linda-Jo Schierow, *Comparison of Environmental Risk Provisions in the 103d Congress*

Provisions of several House and Senate bills, including a proposal for improved risk assessment, are compared in tabular format.

5.283

Kopl Halperin, *A Comparative Analysis of Six Methods for Calculating Travel Fatality Risk*

Examines alternative calculations of travel fatality and finds, e.g. that commonly reported death rates tend to minimize the relative risk of auto travel.

4.15

Judy S. LaKind & Daniel Q. Naiman, *Comparison of Predicted and Observed Dioxin Levels in Fish: Implications for Risk Assessment*

Compares sampled and modelled dioxin levels in fish near pulp and paper mill discharges and argues that determination of health risks should be based on sampling.

4.253

Itzhak Jacoby, *Consensus Development at NIH: What Went Wrong?*

Identifies the Science Court as a model for National Institutes of Health consensus development conferences; argues for following that model more closely.

4.133

Eileen N. Abt, *Coping with the Risk of Cancer in Children Living Near Power Lines*

Recounts how public fears, whether or not well-founded, create problems and suggests possible solutions.

5.65

Thomas G. Field, Jr. & Colleen M. Keegan, *Comment: Daubert's Significance*

Explains, e.g., how non-lawyers can overestimate the importance of *Daubert*.

4.283

Leonard P. Caccamo, Kimbroe J. Carter, Barbara A. Erickson, William R. Johnson & Edward Kessler, *Doctors at Risk: A Problem as Viewed by Decision Analysis*

Uses a case analysis to argue that medical peer review fails to encourage cost effective behavior and may decrease the quality of medical care.

2.357

Leslie A. Nieves, *Economic Impacts of Noxious Facilities: Incorporating the Effects of Risk Aversion*

Suggests an integrative approach to facilities that elicit public risk aversion and suggests a framework for integrating psychometric and econometric techniques.

4.35

Arthur Kantrowitz, *Elitism vs. Checks and Balances in Communicating Scientific Information to the Public*

The "father of the Science Court" describes his objective in proposing it, his efforts to get a major public test of the concept, and insights gained since 1967.

4.101

Jon F. Merz, *An Empirical Analysis of the Medical Informed Consent Doctrine: Search for a "Standard" of Disclosure*

Evaluates the informed consent doctrine in tort cases and concludes that it is now difficult for physicians to decide what must be disclosed.

2.27

Joseph L. Lakshmanan, *An Empirical Argument for Nontechnically Trained Public Members on "Technical" Advisory Committees: FDA as a Model*

Based on two surveys, compares issue comprehension and attitudes of various types of Food and Drug Administration advisory committee members.

1.61

Jeffrey S. Lubbers, *Federal Regulation: Administrative Procedure Constraints and Opportunities*

Surveys the use of science in federal administrative process, focusing on research sponsored by the Administrative Conference of the United States.

1.43

Christopher J. Harnett, *Federal Technology Transfer: Should We Build Subarus in Bethesda?*

Argues that implementation of policies for encouraging commercial exploitation of federally funded biomedical research threatens basic science in America.

1.313

Barbara Ruhe Grumet, *Fertile Women May Now Apply: Fetal Protection Policies After Johnson Controls*

Looks at a U.S. Supreme Court sex discrimination case from a broad legal and social perspective.

2.261

Robert A. Stallings, *Hindsight, Organizational Routines and Media Risk Coverage*

Describes how journalists explain catastrophes by coupling them with flaws in human organizations.

. . . . . 5.271

Hans Mathias Kepplinger, *Historical Notes on German Press Coverage of Technology*

Accounts for increased negativism in German media coverage of technology by pointing to changes in journalists' role definitions and attitudes.

. . . . . 5.213

Christopher J. Harnett, *The Human Genome Project and the Downside of Federal Technology Transfer*

Argues that emphasizing technology transfer at federal institutions will interfere with basic research.

. . . . . 5.151

William S. Pease, *Identifying Chemical Hazards for Regulation: The Scientific Basis and Regulatory Scope of California's Proposition 65 List of Carcinogens and Reproductive Toxicants*

Reviews the the legislative, regulatory and scientific origins of Proposition 65 and suggests better ways to choose future regulatory targets in California and elsewhere.

. . . . . 3.127

Juanita V. Field, Kenneth Boehm, Kevin Vincent, Jessica Sullivan & Brady Serafin, *Individual Control of Risk: Seat Belt Use, Subjective Norms and the Theory of Reasoned Action*

Factor analysis of collected data supports the theory that intention is a major behavior determinate but does not show that seat belt scenarios influence intention.

. . . . . 4.329

Kenneth Boehm, John Keating, Karl Pfefferkorn, Audra Pfeltz, Brady Serafin, Jessica Sullivan, Karen Thode, Kevin Vincent & Juanita Field, *Individual Response to Risk as a Function of Normative Social Pressure: A Pilot Study of Seat Belt Use*

Tries to clarify variables influencing behavior when risk is substantial and subject to individual control. Also reports on a pilot study of seat belt use.

. . . . . 3.199

Scott F. Eaton, *Legislative Oversight of Administrative Rule Making in New Hampshire*

Examines legislative oversight of agencies in a small state and discusses ways to increase public scrutiny of rules and public participation in rule making.

. . . . . 1.131

Patricia A. McPartland, *Mandatory Continuing Education: Does it Really Protect Society from Incompetent Health Professionals?*

Argues that continuing education requirements are needed for professionals whose fields of expertise are growing rapidly.

1.329

Ute J. Dymon, *Mapping — The Missing Link in Reducing Risk Under SARA III*

Explains how maps can, e.g., hasten effective community responses to natural and artificial hazards and laments widespread failure to prepare and use hazard maps more extensively.

5.337

Hans Peter Peters, *Mass Media as an Information Channel and Public Arena*

Proposes that several functions of mass media compete and that attempts to improve risk coverage must avoid optimizing one at the expense of others.

5.241

Peter M. Sandman, *Mass Media and Environmental Risk: Seven Principles*

Suggests that, when spokespersons for risk sources are inept in conveying their messages, they and we pay heavily for their mistakes.

5.251

Thomas G. Field, Jr., *Maximizing the Return from Genome Research*

Introduces and explains the origins of a human genome symposium.

5.95

Sharon M. Friedman, *The Media, Risk Assessment and Numbers: They Don't Add Up*

Argues that, for risks to be reported accurately, journalism educators must help their students understand science, numbers and statistics.

5.203

Seth Tuler, Gary E. Machlis & Roger E. Kasperson, *Mountain Goat Removal in Olympic National Park: A Case Study of the Role of Organizational Culture in Individual Risk Decisions and Behavior*

Argues that organizational culture may lead to individuals' acceptance of potential costs otherwise exceeding expected benefits.

3.317

William R. Freudenburg, *Nothing Recedes Like Success? Risk Analysis and the Organizational Amplification of Risks*

Argues for systematic studies of behavior to estimate risk, especially when systems with low probabilities of technological failure must be managed for extended periods.

3.1

Michelle J. Burke & Victoria M. Schmidt, *Old Remedies in the Biotechnology Age: Moore v. Regents*

Examines the case resolving rights to a cell line derived from a patient's spleen and suggests that a just result may be possible without hindering biotechnology research.

3.219

Robert M. Cook-Deegan, *Origins of the Human Genome Project*

Recounts some of the scientific and political history leading to controversy about the proper mix of private and public roles in pursuing the fruits of genome research.

5.97

Lawrence Rudolph, *Overview of Federal Technology Transfer*

Reviews approximately thirteen years of legal and political developments that have contributed to the regulation of federal technology transfer.

5.133

Kate H. Murashige, *Overview of Potential Intellectual Property Protection for Biotechnology*

Compares copyrights, patents and trade secrets for recouping R&D investments.

5.119

Michael S. Brown, Linda Wastila, Carol Baras & Louis Lasagna, *Patient Perceptions of Drug Risks and Benefits*

Based on a pilot study, considers, e.g., how much perceptions are affected by patients' understanding of and confidence in regulatory oversight.

1.203

Kristin S. Shrader-Frechette, *Perceived Risks Versus Actual Risks: Managing Hazards Through Negotiation*

Describes an "Expert Judgment Strategy" arguing that, because of discounting lay perceptions of risk, it interferes with acceptance of important but risky technologies.

1.341

Beat Hiltbrunner & Andreas Breitsprecher, *Comment: Pharmaceutical Risk and the Quality of Life*

Explores the potential for quality of life to be considered in drug evaluation.

2.19

Anthony J. Dangelantonio, *Physician Assisted Suicide: The Legal and Practical Contours*

Considers medical, legal and other perspectives on patients' right to assistance in dying and attends to legislative initiatives in three states.

4.55

John M. Gleason & Darold T. Barnum, *Predictive Probabilities in Employee Drug-Testing*

Urges caution in attempting to reduce workplace substance abuse. Cites commonly high frequencies of error and discusses the potential for injustice.

2.3

Ann Bostrom, M. Granger Morgan, Jack Adams & Indira Nair, *Preferences for Exposure Control of Power-Frequency Fields among Lay Opinion Leaders*  
 Reports on responses to queries differing in focus on remedial costs about, e.g., the acceptability of options for reducing or eliminating potential health effects.  
 . . . . . 5.295

Sheila Jasanoff, *Procedural Choices in Regulatory Science*  
 Compares approaches to science in regulatory decision making. Argues that procedures should be sensitive to the distinctive characteristics of regulatory science.  
 . . . . . 4.143

Michael Greenberg, *Proving Environmental Inequity in Siting Locally Unwanted Land Uses*  
 Suggests a way to determine whether, e.g., waste-to-energy facilities are inequitably sited and urges a broad-based approach to resolving conflicts.  
 . . . . . 4.235

Sidney A. Shapiro, *Public Accountability of Advisory Committees*  
 Proposes measures for improving the acceptability of committee advice, including expanded use of nonexperts and improved indications of committee rationale.  
 . . . . . 1.189

Ortwin Renn, Thomas Webler & Branden B. Johnson, *Public Participation in Hazard Management: The Use of Citizen Panels in the U.S.*  
 Discusses a method of facilitating citizen participation as developed in Germany and its modification and use in the U.S.  
 . . . . . 2.197

Frances M. Lynn, *Public Participation in Risk Management Decisions: The Right to Define, the Right to Know and the Right to Act*  
 Urges public involvement in all stages of risk management.  
 . . . . . 1.95

Thomas O. McGarity, *Public Participation in Risk Regulation*  
 Describes a spectrum of approaches to public participation in risk regulation.  
 . . . . . 1.103

David R. Holtgrave, Ronald O. Valdiserri & Gary A. West, *Quantitative Economic Evaluations of HIV-Related Prevention and Treatment Services: A Review*  
 Sets forth an extensive taxonomy of HIV prevention and treatment services and reviews efforts to subject some of them to formal economic evaluation.  
 . . . . . 5.29

Gary W. Johnson, *Comment: Recognizing Risks and Paying for Risk Reduction*  
 Endorses a 1990 report of the EPA Science Advisory Board.  
 . . . . . 2.189



Marc Dohan, *Regulate Pollution or Land Use? Managing Toxic Air Contaminants in Southern California*

Explores why a proposal to regulate air toxics would usurp local land use control and was unwarranted.

4.343

Julie A. Roqué, *Regulating Air Toxics in Rhode Island: Policy vs. Technical Decisions*

Recounts work in developing standards for airborne carcinogens and argues that care be taken lest key policy decisions be buried by often irrelevant technical details.

2.123

Ross D. Petty, *Regulation vs. the Market: The Case of Bicycle Safety*

Describes creation of the Consumer Product Safety Commission's bicycle standard and questions its effectiveness in reducing injuries.

2.77

Paul B. Thompson, *Reply to Valverde*

Responds to a claim that Thompson has put too much emphasis on the distinction between risk subjectivism and risk objectivism.

3.49

Eleanor Singer & Phyllis M. Endreny, *Reporting on Risk: How the Mass Media Portray Accidents, Diseases, Disasters and Other Hazards*

Summarizes a large survey of hazard stories, showing that characteristics of news media affect risk presentation.

5.261

William Lanouette, *Reporting on Risk: Who Decides What's News?*

Argues that risks alone do not command national media attention; their implications must first be framed by broader national issues.

5.223

Dorothy Nelkin, *Reporting Risk: The Case of Silicone Breast Implants*

Finds journalists to be, if reluctantly, subject to influence and describes their uneasy relationship with scientists in filling a difficult role.

5.233

Richard M. Sedman & Paul W. Hadley, *Comment: Risk Assessment and Risk Management: Mending the Schism*

Suggests that having different persons assess and manage risk can be counterproductive.

3.189

William E. Hilton, *Risk and Value Judgments: A Case Study of the Poison Prevention Packaging Act*

Argues that choices in amending child-resistant packaging regulations are fundamentally normative and should not be obscured by technical issues.

3.37

John S. Evans, John D. Graham, George M. Gray, Adrienne Hollis, Barry Ryan, Andrew Smith, Mark Smith & Alison Taylor, *Risk Assessment and Management: Summary of Workshop to Review an OMB Report*

Reports on a 1990 invitational workshop.

3.71

Donald R. Mattison, *Risk Assessment for Developmental Toxicity: Airborne Occupational Exposure to Ethanol and Iodine*

Explains basic steps in fetal risk assessment. Argues that rigorous examination must precede informed choice.

2.227

Kristin Shrader-Frechette, *Risk Estimation and Expert Judgment: The Case of Yucca Mountain*

Challenging expert judgments, argues that 1000 year predictions and permanent disposal of radioactive waste are presently impossible.

3.283

Frank B. Cross, *The Risk of Reliance on Perceived Risk*

Using examples uncommon in "risk" literature, argues that giving perceived risk undue attention can have adverse social consequences.

3.59

Ilan B. Vertinsky & Donald A. Wehrung, *Risk Perception and Drug Safety Evaluation*

Presents a framework for more effective risk communication based on empirical research concerning public risk perceptions and applies it to pharmaceutical regulation.

2.281

Paul B. Thompson, *Risk Subjectivism and Risk Objectivism: When are Risks Real?*

Questions the foundations of typical two-step risk management processes and suggests that the risk assessment stage is less objective than commonly viewed.

1.3

Jenifer S. Heath, *Comment: The Role of Happenstance in Multidisciplinary Education*

Relates personal experience in pursuing multidisciplinary studies.

2.121

Halina Szejnwald Brown & Robert L. Goble, *The Role of Scientists in Risk Assessment*

Using three familiar risk assessments, offers an alternative to the 1983 National Research Council model for risk assessment methodology.

1.283

Homer O. Blair, *The Role of Technologically Trained Corporate Lawyers in Managing Risk*

Relates how technically trained lawyers can help firms avoid harmful situations.

1.83

Kopl Halperin & Jim Redman, *Route Fatality Risk as a Measure of Travel Death Risk*

Based on a study of auto fatalities in Erie County Pennsylvania, argues that transportation safety could be greatly increased by relatively small expenditures.

4.1

John D. Graham, *The Safety Risks of Proposed Fuel Economy Legislation*

Considering factors influencing auto safety, prior responses to economy requirements and success of safety rules, suggests ways to save both fuel and lives.

3.95

Ann Fisher, Lauraine G. Chestnut, Ruth H. Chapman & Robert D. Rowe, *Schools Respond to Risk Management Programs for Asbestos, Lead in Drinking Water and Radon*

Based on a study of three EPA-initiated risk management programs, finds, e.g., state involvement to encourage and tentative programs to discourage cooperation.

4.329

Carl F. Cranor, *Scientific Conventions, Ethics and Legal Institutions*

Demonstrates ways that statistical analyses commonly believed to be quite objective may contain important normative biases.

1.155

Jon R. Cavicchi, *The Science Court: A Bibliography*

Focused and incidental references are listed separately.

4.171

Task Force of the Presidential Advisory Group on Anticipated Advances in Science and Technology, *The Science Court Experiment: An Interim Report*

Reprint of a 1976 article from Science proposing a major test of the concept.

4.179

Thomas G. Field, Jr., *Comment: The Science Court is Dead; Long Live the Science Court!*

Introduces a twenty-five year retrospective on the Science Court.

4.95

Allan Mazur, *The Science Court: Reminiscence and Retrospective*

A self-described "agnostic" describes his role in seeking a major test for the Science Court and concludes that "judges" are probably unnecessary.

4.161

Carl F. Cranor, *Science Courts, Evidentiary Procedures and Mixed Science-Policy Decisions*

Argues that the potential for science courts to meet social needs in regulating carcinogens is not high and suggests desiderata for application in related areas.

4.113

Kristin S. Shrader-Frechette, *Scientific Method, Anti-Foundationalism and Public Decisionmaking*

Examines attacks on lay risk assessments and urges that rational policy requires much more accommodation for what the public believes about risk.

1.23

The Honorable Hugh H. Bownes, *Should Trial by Jury be Eliminated in Complex Cases?*

Argues that problems involving the use of juries in complex litigation may and should be solved other than by eliminating juries.

1.75

Jon F. Merz, *Comment: In Support of Huber*

Takes exception to two recent reviews of Galileo's Revenge.

3.195

Todd F. Volyn, James F. Mogan & Lisa M. White, *The Supreme Court as Risk Manager: An Analysis of Skinner*

Concludes that the Supreme Court's approval of collecting blood and urine samples from railroad employees over-emphasized technical issues.

3.243

Galen E. Cole, David R. Holtgrave & Nilka M. Rios, *Systematic Development of Trans-Theoretically Based Behavioral Risk Management Programs*

Explains a risk management strategy for changing behaviors, e.g., to lower the risk of AIDS, that is independent of behavioral factor models.

4.67

Allan Mazur, *Technical Risk in the Mass Media*

Introduces and explains the origins of a symposium of the same title

5.189

Harvey Drucker, *Technology Transfer: A View from the Trenches*

Argues that transferring rights in discoveries made through tax-supported research to private entities can contribute to public welfare in many ways.

5.143

Rebecca S. Eisenberg, *Technology Transfer and the Genome Project: Problems with Patenting Research Tools*

Suggests the possibility that the greatest social return from genome research will require some discoveries to be in the public domain.

5.163

Branden B. Johnson, Peter M. Sandman & Paul Miller, *Testing the Role of Technical Information in Public Risk Perception*

Finds, e.g., that providing technical detail about health effects may be less useful than keeping citizens current on officials' strategies for dealing with problems.

3.341

Francine Laden & George M. Gray, *Toxics Use Reduction: Pro and Con*

Focusing on Massachusetts and contrasting claimed benefits and shortcomings, examines the success of toxics use reduction and calls for more balanced analysis.

4.213

James F. Short, Jr., *Trace Substances, Science and Law: Perspectives from the Social Sciences*

Reviews social science research about perceptions, decisionmaking processes and behaviors of organizations and individuals who try to cope with risk and uncertainty.

5.319

Patrick D. Kelly, *Using Management Techniques to Solve Environmental Problems*

Urges science and engineering societies to attempt to prioritize social problems and focus public awareness (and calls to action) in a more systematic way.

1.217

**Book Reviews & Essays by Title**

Anne Tramposh, *Avoiding the Cracks: A Guide to the Workers' Compensation System*

Allan M. Wheatcraft . . . . . 2.369

Biomedical Politics (K.E. Hanna ed.)

Gianna Julian-Arnold . . . . . 3.259

Sheldon Krimsky, *Biotechnics and Society...*

Allan M. Wheatcraft . . . . . 3.185

Biotechnology: *Assessing Social Impacts and Policy Implications* (D.J. Webber ed.)

Bradley J. Olson . . . . . 3.173

Chemical Contamination and its Victims (D. W. Schnare & M.T. Katzman eds.)

1.185

The Code of Codes: *Scientific and Social Issues in the Human Genome Project* (D.J. Kevles & L. Hood eds.)

Bradley J. Olson . . . . . 3.261

Codes of Professional Conduct (2d ed.) (R. A. Gorlan ed.)

Mitchell M. Simon . . . . . 1.365

Helena S. Brown et al., *Corporate Environmentalism in a Global Economy: Societal Values in International Technology Transfer*

Suzanne B. Watson . . . . . 4.357