

# RISK: Health, Safety & Environment (1990-2002)

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## Table of Contents, Volume Three, Number Four, Fall 1992

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# RISK

## *Issues in Health & Safety*

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#### ARTICLES

- RISK ESTIMATION AND EXPERT JUDGMENT: THE CASE OF YUCCA MOUNTAIN 283  
*Kristin Shrader-Frechette*

Professor Shrader-Frechette discusses factors responsible for acute disagreement between the federal government and Nevada citizens over potential risks at Yucca Mountain and focuses on the use of expert judgment, concluding that some of them appear to exemplify "bad science." That aside, she argues that 1,000 year predictions cannot be made from current knowledge of geology or, e.g., institutional behavior and concludes that permanent disposal of radioactive waste is currently impossible.

- MOUNTAIN GOAT REMOVAL IN OLYMPIC NATIONAL PARK: A CASE STUDY OF THE ROLE OF ORGANIZATIONAL CULTURE IN INDIVIDUAL RISK DECISIONS AND BEHAVIOR . . . . . 317  
*Seth Tuler, Gary E. Machlis and Roger E. Kasperson*

Using a case study, the authors explore the mediating role of organizational culture in individual risk-taking decisions and behaviors. They argue that organizational culture can establish unique conditions that lead to highly reliable performance of high-risk, undesired tasks. The authors also discuss the need for further research and its implications for risk management.

- TESTING THE ROLE OF TECHNICAL INFORMATION IN PUBLIC RISK PERCEPTION 341  
*Branden B. Johnson, Peter M. Sandman and Paul Miller*

It is widely believed that more detail about health effects and likely exposure routes is apt to reduce citizens' concerns about low-probability risks. The authors' study suggests that providing such detail may not be as useful as, e.g., addressing public concerns and keeping citizens current on officials' actions.

#### BOOK REVIEWS

- MARY R. ENGLISH, SITING LOW-LEVEL RADIOACTIVE WASTE DISPOSAL FACILITIES: THE PUBLIC POLICY DILEMMA . . . . . 365  
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