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DISASTER RESEARCH CENTER

1996 Annual Report

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DRC Personnel

Research Staff

Joanne M. Nigg, Co-Director
Kathleen J. Tierney, Co-Director
Russell R. Dynes, Research Professor
E. L. Quarantelli, Research Professor
James M. Dahlhamer, Field Director

Office Coordinator

Diane H. Murray

Library Coordinator

Susan J. Castelli

Graduate Research Assistants

James Dahlhamer
Nicole Dash
Melvin D'Souza
Stephen Eisenbrey
Matt Lee
Lisa Reshaur
Gary Webb

Research Aides

Brooke Duncan
Brian Ladman
Cindy Neel
Emily Read
Amy Small
Amy Smyth

Resource Collection Staff

Renee Clarke
Patricia Harrington
Kelly Krawczyk
Craig Miller
Edward Morris
Melissa Rabey

1996 Publications

Books and Monographs

Quarantelli, E. L. and Boris Porfiriev (eds.)

Social Science Research on Mitigation of and Recovery From Disasters and Large Scale Hazards in Russia. Newark, DE: Disaster Research Center, University of Delaware.

Articles and Book Chapters

Dynes, Russell R.

"Comparing and Generalizing from Crisis Experiences: Pitfalls and Possibilities." Pp. 226-237 in Crisis Management at the National Level, ed. by Ingrid Johansson and Per Skoglund (Stockholm, Sweden: OCB, Information Secretariat).

"Foreword." In Earth, Wind, Fire, and Water: Perspectives on National Disaster, ed. by Shay Sayre and David A. Horne (Pasadena, CA: Open Door/Gene Jeffers Publishers)

Nigg, Joanne M.

"Anticipated Business Disruption Effects Due to Earthquake-Induced Lifeline Interruptions." Pp. 47-57 in Post-Earthquake Rehabilitation and Reconstruction, ed. by F. Y. Cheng and Y. Y. Wang (New York, NY: Pergamon).

"The Challenge of Mitigation for Local Government." In Proceedings: Local Authorities Confronting Disasters and Emergencies, (Amsterdam, The Netherlands: International Congress of Local Authorities).

Quarantelli, E. L.

"Emergent Behaviors and Groups in the Crisis Time of Disasters." Pp. 47-68 in Individuality and Social Control: Essays in Honor of Tamotsu Shibutani, ed. by Kian M. Kwan (Greenwich, CT: JAI Press).

"The Future is not the past Repeated: Projecting Disasters in the 21st Century From Present Trends." Journal of Contingencies and Crisis Management, 4 (4): 228-240. Also, Pp. 1-24 in Proceedings: Local Authorities Confronting Disasters and Emergencies (Amsterdam, The Netherlands: International Congress of Local Authorities.)

"Introduction: Special Issue on Conference of Local Authorities Confronting Disasters and Emergencies." Journal of Contingencies and Crisis Management, 4 (4): 185-188.

"Local Mass Media Operations in Disasters in the USA." Disaster Prevention and Management, 5 (5): 5-10.

"Just as a Disaster is Not Simply a Big Accident, So A Catastrophe is Not Just A Bigger Disaster." The Journal of the American Society of Professional Emergency Planners, 68-71

"Basic Themes Derived From Survey Findings on Human Behavior in the Mexico City Earthquake." International Sociology, 11 (4): 481-499.

"The Similarity of Future Disasters in Italy and the United States: The Effects of Current Social Change Trends." Pp. 77-101 in Origins and Transitions: Towards a Plural Citizenship, ed. by Mario Aldo Toscano (Napoli, Italy: Ipermedium).

Tierney, Kathleen J.

"Social Aspects of the Northridge Earthquake." Pp. 255-262 in The Northridge, California, Earthquake of 17 January 1994, ed. by Mary C. Woods and Ray W. Seiple (California Department of Conservation, Division of Mines and Geology Special Publication 116.)

Tierney, Kathleen J., Joanne M. Nigg and James M. Dahlhamer

"The Impact of the 1993 Midwest Floods: Business Vulnerability and Disruption in Des Moines." Pp. 214-233 in Disaster Management in the U.S. and Canada, second edition, ed. by Richard T. Sylves and William L. Waugh, Jr. (Springfield, IL: Charles C. Thomas Publisher, LTD).

Seligson, H. A., R. T. Eguchi and K. J. Tierney

"A Methodology for Estimating the Risk of Post-Earthquake Hazardous Materials Release: Pilot Application to the County of Los Angeles." NCEER BULLETIN, 10: 6-8.

Final Project Report

Nigg, Joanne M., Kathleen J. Tierney, James M. Dahlhamer, Melvin J. D'Souza, Lisa M. Reshaur and Gary R. Webb

Utilization and Impact of Earth Science Information Among Local Governments and Businesses in Southern California.

Book Reviews

Tierney, Kathleen J.

Promoting Risk: Constructing the Earthquake Threat, by Robert Stallings, in Contemporary Sociology, 25 (2): 202-203.

Webb, Gary R.

Complexity in Urban Crisis Management: Amsterdam's Response to the Biljmer Air Disaster, by Uriel Rosenthal, Paul 't Hart, Menno van Duin, Arjen Boin, Marceline Kroon, Marc Otten and Werner Overdijk, in International Journal of Mass Emergencies and Disasters, 14 (2): 253-55.

Academic Presentations

Dahlhamer, James M. and Kathleen J. Tierney

"Rebounding From Disruptive Events: Business Recovery Following the 1994 Northridge Earthquake." Annual Meeting of the North Central Sociological Association, Cincinnati, OH, April 12-14.

Dash, Nicole

"Hurricanes: Lessons Learned, Forgotten, and Never Addressed," 21st Annual Hazards Research and Applications Workshop, Denver, CO, July 7-10.

Dash, Nicole, Walter G. Peacock and Betty H. Morrow

"Them Who's Got Shall Get: Community Losses and Gains in the Wake of Disaster." Annual Meeting of the North Central Sociological Association, Cincinnati, OH, April 12-14.

Dynes, Russell R.

"Comparing and Generalizing From Crises Experience: Pitfalls and Possibilities." International Conference on Crises Management at the National Level, sponsored by The National Board of Civil Emergency Preparedness, Stockholm, Sweden, March 20-22.

"Risk Communication." Distinguished Lecture Series, Center for Risk Research, Stockholm School of Economics, Stockholm, Sweden, April 17.

"Lessons From Disaster Research." Distinguished Lecture Series, Center for Risk Research, Stockholm School of Economics, Stockholm, Sweden, April 19.

Nigg, Joanne M.

"The Challenge of Mitigation for Local Governments." 2nd International Conference for Local Authorities Confronting Disasters and Emergencies, Amsterdam, The Netherlands, April 22-24.

"The Social Impacts of Physical Processes: How Do We Manage What We Can't Control?" Annual Meeting of the American Geophysical Union, Baltimore, MD, May 19-24.

"Social Aspects of Earthquake Research." 11th World Conference on Earthquake Engineering, Acapulco, Mexico, June 23-28.

"Issues in Disaster Recovery and Reconstruction." 21st Annual Hazards Research and Applications Workshop, Denver, CO, July 7-10.

"Issues for the Development of Public/Private Partnerships for Hazards Management and Mitigation." 21st Annual Hazards Research and Applications Workshop, Denver, CO, July 7-10.

Quarantelli, E. L.

"The Future is Not the Past Repeated: Projecting Disasters in the 21st Century From Present Trends." 2nd International Conference of Local Authorities Confronting Disasters and Emergencies, Amsterdam, The Netherlands, April 22-24.

"Problematical Aspects of the Information/Communication Revolution for Disaster Planning and Disaster Research: Ten Non-Technical Issues and Questions." First Internet Conference: Electronic Communications and Disaster Management Conference, Virtual Conference Center, May - September.
(http://www.mcb.co.uk/services/conferen/jun96/disaster/conhome.htm)

Reshaur, Lisa M. and James M. Dahlhamer

"Businesses and the 1994 Northridge Earthquake: An Analysis of Pre- and Post-Disaster Preparedness." Annual Meeting of the Eastern Sociological Society, Boston, MA, March 29-31.

Tierney, Kathleen J.

"Business Impacts of the Northridge Earthquake." Pan Pacific Hazards '96 Conference, Vancouver, British Columbia, Canada, July 29 - August 2.

"Challenges Facing Health Care Delivery Following Disasters," and "Issues in Emergency Preparedness and Response." 21st Annual Hazards Research and Applications Workshop, Denver, CO, July 7-10.

Tierney, Kathleen J. and Gary R. Webb

"Managing Organizational Impressions in Crisis Situations: Exxon Corporation and the Exxon Valdez Oil Spill." Annual Meeting of the North Central Sociological Association, Cincinnati, OH, April 12-14.

Webb, Gary R.

"Seat Belts, Air Bags, and the State: Applying State Theory to Automobile Traffic Safety Legislation." Annual Meeting of the Eastern Sociological Society, Boston, MA, March 29-31.

Presentations To Governmental Bodies And Professional Organizations

Dynes, Russell R.

"Balance Between Relief and Reduction." Hemispheric Congress on Disaster Reduction and Sustainable Development, Miami, FL, September 30 - October 2.

Nigg, Joanne M.

"Policy Issues for Post-Disaster Mitigation: The Need for a Process." U.S.-Japan Earthquake Policy Symposium, Washington, DC, September 16-18.

"Reducing the Social Impacts of Extreme Physical Events." ASCE International Conference on Natural Disaster Reduction, Washington, DC, December 3-5.

Quarantelli, E. L.

"The Aspen Meeting." Briefing on Global Change and Natural Hazard Meeting, Washington, DC, November 21.

"What We Know About Disaster Planning and Managing." Briefing, Greek Office of Civil Protection, Athens, Greece, November 29.

Tierney, Kathleen J. and Joanne M. Nigg

"U.S. Disaster Research and DRC's Recent Research Projects." Series of talks given to a variety of groups in the People's Republic of China, including representatives from the Institute of Sociology in the Chinese Academy of Social Sciences, the State Seismological Bureau, the Chinese Academy of Building Research, and the Chinese Committee for Natural Disaster Reduction. Funded by the National Science Foundation's International Program.

Tierney, Kathleen J.

"Earthquake Vulnerability and Emergency Preparedness Among Memphis/Shelby County Businesses." Annual Meeting of the Central U.S. Earthquake Consortium, Memphis, TN, November 19-21.

Academic Activities

AWARDS

Dr. E. L. Quarantelli received the Charles E. Fritz Award for General Career Contributions to Disaster Research from the International Research Committee on Disasters of the International Sociological Association.

OTHER ACTIVITIES

Castelli, Susan J. and Nicole Dash

Invited Participants. National Science Foundation sponsored "Earthquake Information Network: A Workshop." Oakland, CA, January 22-23.

Dynes, Russell R.

Chair and Plenary. Preparing for Crises Management, International Conference on Crises Management at the National Level, sponsored by National Board of Civil Emergency Preparedness, Stockholm, Sweden, March 20-22.

Nigg, Joanne M.

Organizer and Presider. "Theoretical Approaches in Disaster Research." Annual Meeting of the American Sociological Association, New York, NY, August 16-20.

Invited Participant and Speaker. U.S.-Japan Earthquake Policy Symposium, Washington, DC, September 16-18. (organized by Federal Emergency Management Agency for the U.S. State Department)

Member. Scientific Advisory Committee, National Center for Earthquake Engineering Research (only social science representative). Funded by National Science Foundation.

Member. Technical Program Committee, 5th National Earthquake Engineering Conference (reviewed social and policy science submissions).

Member. Panel on Recovery, National Hazards Assessment Project, 1995-1997. (funded by a consortium of Federal agencies).

Member. Panel on Mitigation, National Hazards Assessment Project, 1995-1997. (funded by a consortium of Federal agencies).

Member. Organizing Committee, Sixth International Symposium on Natural and Man-made Hazards, Toronto, Canada, July 21-26.

President-Elect. Earthquake Engineering Research Institute.

Member. Steering Committee, 6th U.S./Japan Workshop on Urban Earthquake Hazard Reduction, Los Angeles, CA, January 15-17.

Member. Research Utilization Council, Southern California Earthquake Center, University of Southern California.

Member. Project Review Panel, NSF-funded project, "Enabling the Next Generation of Hazard Researchers: An Education and Training Proposal."

Representative. Section K (Social, Economic and Political Science) on the ASA-AAAS Relations Committee (appointed by the ASA Council).

Quarantelli, E. L.

Chair. "Workshop on Response." 2nd International Conference of Local Authorities Confronting Disasters and Emergencies, Amsterdam, The Netherlands, April 23.

Co-Organizer. Global Change and Natural Disasters Workshop. Aspen, CO, July 10-21.

Discussant. "Theoretical Approaches to Disasters." Session on Theoretical Approaches in Disasters, American Sociological Association Annual Meeting, New York, NY, August 16-20.

Moderator. Week 5 of "Disaster '96 Internet Conference," presented by the United Nations, October. (http://www.quipu.net:1996/English/risk/archive/week5/week5.html)

Member. Editorial Advisory Board for the Series on Natural Hazards and Disasters to be published by Routledge.

Member. Editorial Board. Journal of Contingencies and Crisis Management.

Tierney, Kathleen J.

Discussant. Session on "Collective Behavior and Cultures of Opposition." American Sociological Association Annual Meeting, New York, NY, August 16-20.

Member. Editorial Board, Earthquake Spectra and Gender and Society.

Member. Research Committee, National Center for Earthquake Engineering Research.

Member. Executive Board, Research Committee on Disasters, International Sociological Association.

Subgroup Leader, Emergency Preparedness and Response. National Assessment of Hazards Research, funded by a consortium of Federal agencies.

Co-Organizer. Roundtable sessions for 1997 Eastern Sociological Society Annual Meeting.

Other Professional Activities

Dynes, Russell R.

Reviewer. International Journal of Mass Emergencies and Disasters.

Proposal Reviewer. National Science Foundation.

Nigg, Joanne M.

Proposal Reviewer. National Science Foundation (Societal Response, Hazard Mitigation Program); U. S. Geological Survey External Grants Program and National College Sea Grant Program.

Reviewer of Manuscripts. Sociological Inquiry, Gender and Society, and Symbolic Interaction.

Editorial Board Member. Kluwer Academic Publishers book series, Advances in Natural and Technological Hazards Research; University of Delaware Press.

Member. Speakers Pool for Post-Earthquake Congressional Briefings (organized for Federal Emergency Management Agency by the Earthquake Engineering Research Institute).

Pro bono consultant. State of Delaware (Department of Social Services and Delaware Emergency Management Agency for the development of the state's Volunteer Organizations Active in Disasters (VOAD) program.

Quarantelli, E. L.

Editorial Board Member. Journal of Contingencies and Crisis Management, Hazard Monthly, Psychosocial Stress, Natural Hazards, International Journal of Disaster Prevention and Management, Journal of Natural Disaster Studies, and Emergency.

Proposal Reviewer. National Science Foundation (Division of Social, Behavioral, and Economic Research) and National Science Foundation (Earthquake Hazards Mitigation Program).

Member. International Scientific Board of Transociety: Series of Transocietal Studies.

Member. Advisory Board of 4th International Conference on Emergency Planning.

Reviewer of Manuscripts. Social Science Quarterly, British Journal of Management Studies, Journal of Hazardous Materials, Disasters, and Disaster Prevention and Management.

Advisory Panel. Asia-Pacific Journal of Rural Development,

Tierney, Kathleen J.

Reviewer of Manuscripts. Earthquake Spectra, Gender and Society, Journal of Contingencies and Crisis Management, and Sociological Forum.

Proposal Reviewer. National Science Foundation.

Contracts And Grants

Continuing

Emergency Response and Early Recovery
Activities in the Northridge Earthquake

National Science Foundation *$124,881*

Business Disruption and Recovery in the
Northridge Earthquake - Panel Study

National Center for Earthquake Engineering Research *71,250*

New

Business Disruption and Recovery:
Research Integration

National Center for Earthquake Engineering Research $ 65,000

Businesses and Disasters: Consequences of
Disaster Victimization For Businesses and
Business Districts

National Science Foundation 249,521

DRC Field Studies

May 3	Los Angeles, California Follow-up, NCEER Business Study
June 16	Los Angeles, California Follow-up, NCEER Business Study
October 9	Los Angeles, California Follow-up 1994-0117, Northridge Earthquake

Visitors To DRC

Australia	Australian Emergency Management Institute Information and Research Centre, Victoria
Canada	Emergency Communications Research Unit Carleton University, Ottawa, Ontario
England	Data & Archival Damage Control Centre, London
France	Nuclear Emergency Management Support Team Ministere De L'Interieur, Levallois-Perret
	National Emergency Organisation Nuclear Power Plant Operations, Paris
	Relations Internationales EDF Production Transport, Paris
	Necular Security Authority Crisis and Environment Department Fontenay-aux-Roses Cedex
India	Jawaharlal Nehru University School of International Studies/Political Geography New Delhi
Israel	Department of Social Work Ben-Gurion University of the Negev, Beer-Sheva
Italy	University of Bologna Center for Analysis of Political Policy, Bologna

Japan	Department of Psychology Kobe University, Kobe
	International Center for Disaster-Mitigation Engineering Institute of Industrial Science University of Tokyo, Tokyo
	Hiroshima Institute of Technology, Hiroshima
	Ministry of Health and Welfare, Tokyo
U.S.A.	Southern California Earthquake Center University of Southern California Los Angeles, CA
	Ashe Associates Stamford, CT
	Emergency Services, American Red Cross Wilmington, DE
	Delaware Emergency Management Agency Delaware City, DE
	Office of Emergency Preparedness Washington, DC
	Human Services Division Federal Emergency Management Agency Washington, DC
	National Headquarters, American Red Cross Washington, DC
	Community Planning Programs International City/County Management Association Washington, DC

U.S.A.

Health and Welfare, Embassy of Japan
Washington, DC

Language Services
Pacifica Corporation
Ellicott City, MD

University of Maryland
Baltimore, MD

Department of Urban Planning and
Policy Development
Rutgers University, New Brunswick, NJ

Boeing Helicopter
Deptford, NJ

Columbia Pictures
New York, NY

Corporate Real Estate Services
Rosemont, PA

Department of Sociology/Anthropology
Millersville University, Millersville, PA

Bryn Mawr College, Bryn Mawr, PA

Additions To DRC Publications List

Preliminary Papers

Dahlhamer, James M. and Lisa M. Reshaur

"Businesses and the 1994 Northridge Earthquake: An Analysis of Pre- and Post-Disaster Preparedness"

Dahlhamer, James M. and Kathleen J. Tierney

"Rebounding From Disruptive Events: Business Recovery Following the Northridge Earthquake"

"Winners and Losers: Predicting Business Disaster Recovery Outcomes Following the Northridge Earthquake"

Nigg, Joanne M.

"The Social Impacts of Physical Processes: How Do We Manage What We Can't Control?"

"Policy Issues for Post-Disaster Mitigation: The Need For a Process"

"The Social Impacts of Extreme Physical Events"

Quarantelli, E. L.

"Ten Criteria for Evaluating the Management of Community Disasters"

Tierney, Kathleen J.

"Business Impacts of the Northridge Earthquake"

Historical and Comparative Disaster Series

Fritz, Charles E.

Disasters and Mental Health: Therapeutic Principles Drawn From Disaster Studies

Warheit, George J.

The Fire Department in Disaster Operations in the 1960s