



93
AS
1987

THE 1987 ANNUAL REPORT
OF THE
DISASTER RESEARCH CENTER
UNIVERSITY OF DELAWARE
NEWARK, DELAWARE USA
19716

DRC LIBRARY
University of Delaware

1. Contracts and Grants:

(1) Mass media systems and community hazards and disasters.
\$181,178. National Science Foundation grant 9/1/85 - 8/31/88.

(2) Organizational and public response to the 1985 Mexico earthquake.
\$106,400. National Science Foundation grant 6/1/86 - 5/31/88.

(3) Disaster analysis. \$310,134. Federal Emergency Management Agency contract 9/30/85 - 9/30/88.

2. Publications:

A total of 25 publications were produced or published by DRC during the year.

Books

Russell Dynes, B. De Marchi and C. Pelanda (eds), Sociology of Disasters: Contributions of Sociology to Disaster Research. Milan, Italy: Angeli.

Thomas Behler, The Nuclear Accident at Three Mile Island: The Effect on Local Community. Historical and Comparative Series #7. Newark, Delaware: Disaster Research Center, University of Delaware.

Articles and Chapters in Books

"The Concept of Role in Disaster Research," Russell R. Dynes in Dynes, DeMarchi and Pelanda (eds.) Sociology of Disasters. Milan, Italy: Angeli:71-102.

"Collective Behavior and Disaster Research," Dennis E. Wenger in Dynes, DeMarchi and Pelanda (eds.) Sociology of Disasters. Milan, Italy: Angeli:213-238.

"A Concluding Commentary (on Sociology of Disasters Chapters)," E. L. Quarantelli in Dynes, DeMarchi and Pelanda (eds.) Sociology of Disasters. Milan, Italy: Angeli:403-416.

"Factors Affecting the Behavior of First Responders in Hazardous Chemical Transportation Accidents," E. L. Quarantelli, World Conference on Chemical Accidents. Edinburgh, Great Britain, CEP Consultants:192-195.

"Researching and Managing Human Behavior in Disasters," E. L. Quarantelli, Hazard Monthly 8:7-9.

"Social °Development° and Organizational Behavior in Disasters," E. L. Quarantelli, Hazard Monthly 8:11-12.

"Disastro," E. L. Quarantelli and Dennis Wenger in B. DeMarchi, A. Ellena and B. Cattarinussi (eds.) Nuovo Dizionario de Sociologia. Milan, Italy: Edigioni Paoline:674-683. (in Italian)

"A Summary of the Chemical Accidents Conference in Rome," E. L. Quarantelli, Industrial Crisis Quarterly 1:46-47.

"The Controversy on the Mental Health Consequences of Disasters," E. L. Quarantelli in Groups and Organizations in War, Disaster and Trauma (Bethesda, Maryland: Department of Psychiatry, Uniformed Services University of the Health Sciences, 1987): 1-35.

Miscellaneous Reports

Disaster Response in Two Communities: The Effects of Limited and Extensive Planning on Response, B. Friedman, J. Lonn, D. Lockwood, L. Snowden, D. Wenger.

The Art of Storytelling: The Structuring and Processing of News During Disasters, Barbara Friedman.

Mass Media & Disaster: Annotated Bibliography, 2nd Edition, B. Friedman, D. Lockwood, L. Snowden, D. Zeidler.

Annotated Bibliography: Studies Done on Police and Fire Departments, J. Linn, L. Ketter, S. Kingsley, J. Wright.

Preliminary Papers (intended for later publication)

"The Social Science Study of Disasters and Mass Communication", E. L. Quarantelli.

"Converting Disaster Scholarship Into Effective Disaster Management," E. L. Quarantelli.

"Research in the Disaster Area: What is Being Done and What Should Be Done," E. L. Quarantelli.

"What Should We Study? Questions and Suggestions for Researchers About the Concept of Disasters," E. L. Quarantelli.

"The Delivery of Needed Innovation in Emergency Medical Services: Present and Future," E. L. Quarantelli.

"Emergency Preparedness and Response Planning: An Overview of Seismic Policy Related Issues," Dennis E. Wenger and Thomas E. Drabek.

"Criteria Which Could Be Used in Assessing Disaster Preparedness Planning and Managing," E. L. Quarantelli.

"Community and Organizational Preparations for and Responses to Acute Chemical Emergencies and Disasters in the US," E. L. Quarantelli.

"Citizen Groups and Hazardous Waste: Their Careers and Conditions for Emergence," E. L. Quarantelli.

Working Paper

"Organizational and Public Response to the 19 September 1985 Mexico City Earthquake," Russell R. Dynes and Dennis E. Wenger.

3. Presentations

DRC personnel made presentations at the following 23 meetings.

Australian Counter Disaster College, Mt. Macedon, Australia
Chemical Manufacturer's Association Workshop on Emergency Planning,
Atlanta, Georgia
Greater Hartford American Red Cross Chapter, Farmington, Connecticut
Workshop on Technological Risk, International Atomic Energy Agency,
Laxenberg, Austria
School of Public Health, John Hopkins University, Baltimore, Maryland
Eastern Sociological Association Annual Meeting, Boston, Massachusetts
International Earthquake Conference, Los Angeles, California
World Congress of Emergency and Disaster Medicine, Rio de Janeiro, Brazil
International Conference on Water Policy, San Antonio, Texas
Study of Technological Risk International Symposium, Paris, France
Region III National Coordinating Council on Emergency Management Annual
Meeting, Ocean City, Maryland
Natural Hazards Research and Applications Workshop, University of Colorado,
Boulder, Colorado
Department of Psychological Medicine, Prince Henry's Hospital, Melbourne,
Australia
Annual Conference of Methodist Church, Charlestown, West Virginia
International Research Seminar on Regional Developmental Planning, Tokyo,
Japan
Engineering Research Panel on Planning, National Center for Earthquake
Research, Buffalo, New York
World Conference on Chemical Accidents, Rome, Italy
American Sociological Association Annual Meeting, Chicago, Illinois
Department of Psychiatry, Uniformed Services University of the Health
Sciences, Bethesda, Maryland
US-Mexico Workshop on 1985 Mexico Earthquake Research, Mexico City, Mexico
International Sociological Association Research Committee on the Sociology
of Disaster, Chicago, Illinois
Seminar on Earthquakes, NCEER, Buffalo, New York
International Training Seminar on Planning for Disaster Prevention, Nagoya,
Japan

4. Field Studies

The total number of different field studies undertaken by the Center reached 496 with the following studied in 1987:

Flood, West Memphis, Arkansas
Amtrak Train Derailment, Chase, Maryland
Chemical Plant Fire, Nanticoke, Pennsylvania
Tornadoes and flooding, Minneapolis/St. Paul, Minnesota
Airplane crash, Detroit, Michigan
Tornado, Edmonton, Canada

Tornado, West Memphis, Arkansas
Followup studies in Mexico City, Mexico

5. Visitors

Foreign

Ecole Polytechnique, Paris, France
TNO/STB, Apeldoorn, The Netherlands
Women's Christian University, Tokyo, Japan
Maravan, Venezuela
Bureau of Civil Protection, Canada
National Research Council of Italy
Royal Children's Hospital, Victoria, Australia
Transport Canada
The Regional Seismological Center, Lima, Peru
Disaster Mitigation Laboratory, Nagarjuna University, India
Companeros de las Americas, Panama City, Panama
Emergency Research Unit, Carleton University, Canada

Domestic

Johns Hopkins School of Hygiene and Public Health
Georgetown University Medical Center
Safety Sciences Inc of San Diego
National Center for Earthquake Engineering Research at SUNY Buffalo
Graduate Program in Science, Technology & Policy; George Washington
University
WESTON Consultants
Delaware Tech
Advocate for the Handicapped
American Red Cross National Headquarters
George Washington University Graduate School
The EMS Atlantic Mobilization Team
The Annenberg School of Communications, University of Southern
California
Pan American Health Organization
Department of Geography, Rutgers University
Department of Civil Engineering, Johns Hopkins University
Medical Corps, U.S. Navy

6. DRC Resource Collection

The Center obtained about 1,200 new publications during the year. This figure does not include continuing periodicals (which number about 125), announcements, photographs, radio/video tapes and newspaper clippings. A total of over 800 were processed, making a total of over 20,500 in the Resource Collection and maintaining its status as the largest single collection anywhere in the world on the human and social aspects of disasters.

Agreements to exchange DRC publications for their relevant organizational publications were made or reconfirmed with:

In the US:

Natural Hazards and Application Center, University of Colorado
Center for Technology, Environment & Development, Clark University

Outside the US:

The Flood Hazard Research Center, Middlesex Polytechnic, Great Britain
The Center for Research on the Epidemiology of Disasters, Louvain University, Belgium
The Asian Disaster Preparedness Center library, Bangkok, Thailand
The Australian Counter Measures College library, Mt. Macedon, Australia
The Munich Reinsurance Company, West Germany
The Indonesian Disaster Management Library, Jakarta, Indonesia
The Mass Emergencies Library of ISIG, Gorizia, Italy
The Center for Disaster Studies library, James Cook University, Queensland, Australia
Emergency Communications Research Unit
Carleton University, Ottawa, Canada
Joint Research Center library, New Delhi, India
Disaster Research Group, Uppsala University, Sweden
Institute of Geophysics, Beijing, China

Work continued on computerizing the card catalog. At the end of the year, 6,450 listings were on the computer.

As part of its resource collection operation, DRC added new items to its publication list bringing to 356 the number currently available for the public. While many items are distributed for free, sales at nominal costs of DRC publications increased over last year. Multiple copies of DRC publications were purchased for classroom use by several universities. In addition, a large number of items from the list were purchased by organizations ranging from Dow Chemical to Emergencias in Argentina; from Maravan, the Venezuelan national petroleum company, to Indiana University; and from the Bureau of Civil Protection in Quebec in Canada to Total Information, Inc., a computer information retrieval system.

7. Other Service Activities

DRC directors are serving on the editorial boards of the following disaster relevant publications: International Journal of Mass Emergencies and Disasters, Industrial Crisis Quarterly, Hazard Monthly, Journal of Hazardous Materials, Disasters, and the Psychosocial Stress Book series. ①

DRC directors were members of the following disaster related committees or groups: Panel on Disaster Research & Planning, National Center for Earthquake Engineering Research, SUNY, Buffalo; National Academy of Science Panel on Seismic Safety; Advisory Panel on Guidelines for Protective Systems for Hazardous Material Spills at Kansas State University; New Castle County Hazardous Advisory Board; International Sociological Association Research Committee on Disasters (President); National Science Foundation Panel on Proposal Review; Symposium Planning Committee of Annenberg School of Communications at the University of Southern California; Board of Advisors of the Center for Psychological Response in Disaster Emergencies at the New York Medical College; NAS Panel

on Human Factors and Research Needs in Nuclear Regulatory Research; Technical Committee of the Commission of the European Communities Joint Research Centers; Impact Assessment Group on the High Level Nuclear Waste Repository at Hanford; review panel of the National Science Foundation in Geography, in Sociology, in Earthquake Engineering, and in the Decision, Risk and Management programs.

DRC directors reviewed disaster related manuscripts for Environment and Behavior, Sociological Focus, Disasters, Journal of Community Psychology, The International Journal of Mass Emergencies and Disasters, Journal of Traumatic Stress, Journal of Hazardous Materials, Journal of Voluntary Action, Social Forces, Social Science Quarterly, and the American Sociological Association Rose Monograph Series.

8. International Activities

(These are reported in more detail in the DRC Report on International Activities of DRC)

(1) Following the exchange agreement reached last year, a DRC graduate student spent two months as a visiting researcher in the Mass Emergencies Program of the Institute of International Sociology in Gorizia, Italy.

(2) Professor Joseph Scanlon, the leading Canadian researcher on social aspects of disasters and Director of the Emergency Communication Research Unit in the School of Journalism, Carleton University, came to DRC as a Visiting Faculty member in July 1987 to start his sabbatical research year at the Center.

(3) Dr. Patrick Lagadec of L'Ecole Polytechnique in Paris visited DRC to explore possible future collaborative work.

(4) The close professional ties between Japanese disaster researchers and DRC were reinforced by a visit to Japan where final agreement was reached on a joint publication in Japan of the results of an earlier collaborative research effort.

(5) Dr. Chitturi Raghavulu, the Director of the Disaster Mitigation^o Laboratory in Guntur, India visited the Center to develop a proposal for an exchange relationship between his institute and DRC.

(6) There were several visits back and forth between DRC personnel and Mexican disaster researchers to further their collaborative study on the Mexico City earthquake.

9. DRC Personnel

Faculty

1. Russell R. Dynes, Co-Director
2. Allan McCutcheon, Research & Computer Specialist
3. E. L. Quarantelli, Director
4. Dennis Wenger, Co-Director

Visiting Faculty

1. Joseph Scallan, Carleton University, Canada

Research Assistants

1. Robin Christensen
2. Bruce Crawford
3. Barbara Friedman
4. Michael Hackett
5. Laura Ketter
6. Sarah Kingsley
7. Michelle Klein
8. John Linn
9. Stewart McKenzie
10. James Wright

Staff

1. Elizabeth Barron
2. Florence Barron
3. Elaine Denning
4. Julia Hughes
5. Deborah Morel
6. Cynthia Shesko
7. Susan Ysaïs
8. Marjorie Simmons
9. Michael Smith

Translators

1. Federico Alonso
2. Martha Barnes
3. Maria Soledad Fernandez
4. Kenneth Haelig
5. Conchita Ruiz
6. Rosa Saez
7. Sally Smithouser