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Date/Place of Birth: November 10, 1924. New York City, USA.

Military Service: US Army 1943-1946

Education: University of Chicago B.A. (1948), M.A. (1953), Ph.D. (1959).

Scholastic Honors: Phi Beta Kappa; B.A. with Honors; Honor Scholar Division of Social Sciences; Walgreen Scholarship; Honors M.A. examination, Department of Sociology; University Fellowship; Honors Ph.D. Field examination, Department of Sociology.

Administrative Experience:

Co-Founder and Director Disaster Research Center-Ohio State University, 1963-1984; University of Delaware, 1985-1989.

Teaching Experience:

1954-1957 Lecturer, South Bend Center, Indiana University.
1957-1959 Instructor, Harpur College, State University of NY.
1959-1963 Assistant Professor, The Ohio State University.
1963-1966 Associate Professor, The Ohio State University.
1966-1984 Professor, The Ohio State University.
1985-1989 Professor, The University of Delaware
1989-1998 Research Professor, The University of Delaware
1999- Professor Emeritus, The University of Delaware

Teaching Awards:

1967-1968 The Ohio State University, AKD Graduate Teaching Award.
1970-1971 The Ohio State University, AKD Graduate Teaching Award.

Professional Award:

1996 The Charles E. Fritz Award from the International Research Committee on Disasters for General Career Contributions to Disaster Research.

Courses Taught: Introductory, social psychology, deviant behavior, collective behavior, urban, mass media and popular culture, family, criminology, public opinion and propaganda, sociology of education, sociological aspects of mass communication, undergraduate senior seminar. Graduate seminars in social psychology, collective behavior, social movements and social change, deviant behavior, mass communication, qualitative research analysis, evaluation research, qualitative field data gathering.

Major Fields of Interest: Collective behavior, social movements and social change, mass communication, field research techniques, complex organizations, sociology of knowledge and science, popular culture.

University Service:

University committees at Ohio State University: Departmental: graduate, research, planning, promotion and tenure, facilities, and undergraduate honors. Department Chair Search Committee. Arts & Sciences Faculty Senate. University Faculty Council. University Senate. Ad Hoc University Military Research Committee. University Task Force on Research, etc.

Committee and Board Memberships:

1966-1969 Advisory Committee on Civil Defense, National Academy of Sciences.

1967-1968 City of Columbus Mayor's Faculty Committee.

1968-1969 Sub-Advisory Committee on Emergency Planning, National Academy of Sciences.

1972-1974 Advisory Committee on Assessment of Research on Natural Hazards at the University of Colorado.

1972-1975 Advisory Committee on Emergency Preparedness, National Academy of Sciences.

1974-1975 Panel on the Public Policy Implications of Earthquake Prediction, National Academy of Sciences.

1976-1978 Task Force on Contingency Planning and Emergency Services, National Academy of Sciences.

1978-1980 Advisory Committee on Disasters & Mass Media, National Academy of Sciences.

1978-1981 Advisory Committee on Search and Rescue Project at the University of Denver.

1979-1982 NAS Advisory Committee for National Bureau of Standards Fire Research Center.

1982-1985 Advisory Committee, Italian Earthquake Study at St. John's University.

1982-1986 President, Research Committee on Disasters, International Sociological Association.

1986-1988 Advisory Panel, Hazardous Materials on Highways at Kansas State University.

1986-1987 Chair, Section on Collective Behavior & Social Movements, American Sociological Association.

1986-1993 Board of Advisors, The Center for Psychological Response in Disaster Emergencies (PRIDE), New York Medical College

1989-1991 The United States Committee on the Decade for Natural Disaster Reduction, National Academy of Sciences.

1989-1993 National Research Council Panel on the Evaluation of the United States-People's Republic of China Earthquake Engineering Program.

1990-2000 Advisory Board of the International Laboratory of Sociopolitical Ecology (INTERLAB), University of Georgia.

1991-1999 The United States National Committee for the Decade for Natural Disaster Reduction, National Academy of Sciences.

1992-1994 Board on Natural Disasters, National Academy of Sciences.

1994-1995 Advisory Committee, Earthquake Hazard Response Study, University of Oregon.

1995-1995 Planning Advisory Panel for the US-Japan Earthquakes/Natural Disaster Symposium, National Academy of Sciences.

1999-2000 NATO Co-Director for NATO-Russia seminar on Forecasts and Prevention of Catastrophes held in Moscow, Soviet Union.

2000- 2006 Co-chair, Scientific Advisory Committee, World Institute for Disaster Risk Management.

2004-2006 Advisory Committee on local Public Health Emergency Drills & Exercises at the Center for Health Policy, School of Nursing, Columbia.

Proposal Reviewer:

US National Institute of Mental Health; Canada Council; US National Science Foundation; US National Institute of Health; Australian Research Grants Committee; The Economic and Social Research Council of Great Britain, Austrian Science Fund, etc.

Research Experience:

1951 Interviewer, NORC Disaster Research Team, University of Chicago.

1952-1954 Research Assistant, NORC Disaster Research Project, University of Chicago.

1957-1959 Director, Survey of Triple Cities Areas in New York, Harpur College, SUNY.

1960-1961 Project Director, "Antisocial Behavior in Stress Situations," The Ohio State University Development Fund grant.

1961-1966 Principal Investigator, "The Professionalization of Dental Students," National Institute of Dental Health grant.

1962-1963 Research Associate, "The Construction of Educational Theory Models," Office of Education contract with Department of Education, The Ohio State University.

1963-1968 Co-Principal Investigator, "Studies of Organizational Functioning in Disaster," Office of Civil Defense.

1963-1967 Co-Principal Investigator, "Laboratory Simulation Studies of Organizational Behavior Under Stress," Air Force Office of Scientific Research grant.

1967-1968 Project Director, "Continuation of Studies of Crowd Behavior," Mershon Center grant.

1967-1969 Co-Principal Investigator, "Community Reactions to Water Resources Problems in Relation to Planning," Office of Water Resources Research, Department of the Interior grant.

1968-1969 Project Director, "The Law in Community Disasters Field Studies of Selective Law Enforcement by Governmental Organizations," Social Science Research Council grant.

1968-1970 Principal Investigator, "Simulation Studies of Communication Behavior Under Stress," Air Force Office of Scientific Research grant.

1968-1971 Co-Principal Investigator, "Disaster Studies," Office of Civil Defense contract.

1968-1972 Co-Principal Investigator, "Cross-Cultural Studies of Disaster Reactions," Mershon Center grant.

1968-1974 Co-Principal Investigator, "Organizational Responses to Major Community Crises," National Institute of Mental Health grant.

1969 Principal Investigator, "Policy Changes in Radio Station Coverage of Local Civil Disturbances," National Association of Broadcasters grant.

1969-1971 Co-Principal Investigator, "Community Reaction to Collective Stress: Its Implications for Water Resources Planning Phase II," Office of Water Resources Research, Department of the Interior grant.

1971-1972 Co-Principal Investigator, "Policy Behavior in a College Riot," Law Enforcement Assistance Administration grant.

1972 American Coordinator, "Japanese-United States Conference on Organizational and Community Responses to Disaster," National Science Foundation grant.

1972-1979 Principal Investigator, "Studies in Disaster Response and Planning," Defense Civil Preparedness Agency contract.

1974-1975 Co-Principal Investigator, "Delivery of Mental Health Services in the Xenia Disaster," Ohio State Department of Mental Health contract.

1974-1976 Co-Principal Investigator, "Organizational Communication and Decision-Making in Crises," Advanced Research Projects Agency grant.

1975 Co-Principal Investigator, "An Evaluation of the Post-Disaster Mental Health Services in Xenia," Greene-Clinton County Mental Health and Retardation Board contract.

1975-1977 Co-Principal Investigator, "Delivery of Emergency Medical Services in Disasters," Health Resources Administration grant.

1976-1977 Co-Principal Investigator, "A Proposal to Develop Information on Mental Health Disaster Assistance/Crisis Intervention Needs and Resources," National Institute of Mental Health contract.

1976-1979 Co-Principal Investigator, "Delivery of Mental Health Services in Disasters," National Institute of Mental Health grant.

1977-1981 Principal Investigator, "Socio-Behavioral Responses to Chemical Hazards," National Science Foundation grant.

1979-1980 Principal Investigator, "Evacuation Behavior and Problems," Federal Emergency Management Agency contract.

1980-1981 Principal Investigator, "Shelter Behavior and Problems," Federal Emergency Management Agency contract.

1980-1981 Principal Investigator, "Development of Collaborative Japan-United States Socio-Behavioral Disaster Research," National Science Foundation grant.

1981-1984 Principal Investigator, "Emergent Citizen Groups in Disaster Preparedness and Recovery Activities," National Science Foundation grant.

1981-1984 Principal Investigator, "Emergent Groups in the Emergency Periods of Disasters," Federal Emergency Management Agency contract.

1982-1984 Co-Principal Investigator, "Mass Media and Disasters," NHK (Japan) grant.

1983 Principal Investigator, "Evacuation Study," Federal Emergency Management Agency contract.

1985-1988 Principal Investigator, "Mass Media Systems and Community Hazards and Disasters." National Science Foundation grant.

1985-1986 American Coordinator, "Italy-United States Seminar on Social Preparation, Response, and Recovery from Major Community Disaster," National Science Foundation grant.

1985-1989 Principal Investigator, "Disaster Analysis," Federal Emergency Management Agency contract.

1988-1992 Principal Investigator, "Preparedness and Response of Lifeline Organizations in Community Disasters," National Science Foundation grant.

1989-1993 Principal Investigator, "Local Earthquake Mitigation and Preparedness Planning in China and the United States," National Science Foundation grant.

1990- Oral History Project, Pioneer Social Science Disaster Researchers. Unfunded.

1991-1992 Field Research, St. Croix, US Virgin Islands. Unfunded.

1992-1993 American Coordinator, "US-USSR Seminar on Social Science Research on Mitigation for and Recovery from Disasters and Large Scale Hazards," National Science Foundation grant.

PUBLICATIONS:

A. BOOKS AND MONOGRAPHS

1. An Analysis of the Los Angeles Fire Department Operations During Watts (Columbus: Disaster Research Center, The Ohio State University, 1969) (Co-Author)
2. Disruption on the Campuses of Ohio Colleges and Universities, Spring 1970 (The Ohio Council of Churches, 1970) (Co-Author)
3. Police Perspective and Behavior in a Campus Disturbance (Washington, D.C.: LEAA, 1972) (Co-Author)
4. A Perspective on Disaster Planning (Columbus: Disaster Research Center, The Ohio State University, 1972) (1980 edition also) (Co-Author)
5. The Professionalization of Dental Students: Intent and Reality (New Haven, CT.: College and University Press, 1974) (Co-Author)
6. Delivery of Mental Health Services in Disasters: The Xenia Tornado and Some Implications (Columbus: Disaster Research Center, The Ohio State University, 1976) (Co-Author)
7. The Role of Local Civil Defense in Disaster Planning (Columbus: Disaster Research Center, The Ohio State University, 1977) (Co-Author)
8. Organizational Communications and Decision Making in Crises (Columbus: Disaster Research Center, The Ohio State University, 1977) (Co-Author)
9. Disasters: Theory and Research (London, England: Sage Publications, 1978) (Editor)
10. Evacuation Behavior and Problems: Findings and Implications from the Research Literature (Columbus: Disaster Research Center, The Ohio State University, 1980)
11. Disruptions on the Campuses of Ohio Colleges and Universities in 1970 (Columbus: Disaster Research Center, The Ohio State University, 1981) (Co-Author)
12. The Reality of Local Chemical Disaster Preparedness: Three Case Studies (Columbus: Disaster Research Center, The Ohio State University, 1981)
13. Inventory of the Japanese Disaster Literature in the Social and Behavioral Sciences (Columbus: Disaster Research Center, The Ohio State University, 1982) (Co-Author)
14. Inventory of Disaster Field Studies in the Social and Behavioral Sciences 1919-1979 (Columbus: Disaster Research Center, The Ohio State University, 1982)
15. Delivery of Emergency Medical Services in Disasters: Assumptions and Realities (New York: Irvington Press, 1983)
16. Sociobehavioral Responses to Chemical Hazards: Preparations for and Responses to Acute Chemical Emergencies at the Local Community Level (Columbus: Disaster Research Center, The Ohio State University, 1984)

17. Sheltering and Housing after Major Community Disasters: Case Studies and General Observations (Columbus: Disaster Research Center, The Ohio State University, 1984)
18. Organizational Behavior in Disasters and Implications for Disaster Planning (Newark, DE.: Disaster Research Center, University of Delaware, 1985)
19. Proceedings of the Italy-United States Seminar (Newark, DE.: Disaster Research Center, University of Delaware, 1988) (Co-Editor)
20. Local Mass Media Operations, Problems and Products in Disasters (Newark, DE.: Disaster Research Center, University of Delaware, 1989) (Co-Author)
21. Individual and Organizational Response to the 1985 Earthquake in Mexico City, Mexico (Newark, DE.: Disaster Research Center, University of Delaware, 1990) (Co-Author)
22. Proceedings of the United States-Former Soviet Union Seminar on Social Science Research on Mitigation For and Recovery From Disasters and Large Scale Hazards. Volume I: The American Participation. (Newark, DE.: Disaster Research Center, University of Delaware, 1993) (Co-Editor)
23. The Reporting of News in Disasters: A Comparative Study of Japanese and American Communities. (Newark, DE.: Disaster Research Center, University of Delaware, 1993) (Co-Author).
24. An Annotated Inventory of the Social Science Research Literature on Disasters in the Former Soviet Union and Contemporary Russia. (Newark, DE.: Disaster Research Center, University of Delaware, 1994) (Co-Editor).
25. Social Science Research on Mitigation of and Recovery from Disasters and Large Scale Hazards in Russia. (Newark, DE.: Disaster Research Center, University of Delaware, 1996). (Co-Editor).
26. What is a Disaster? Perspectives on the Question. (England: Routledge, 1998). (Editor)
27. Problems of Field Research: Techniques and Procedures of the Disaster Research Center in the 1960s. (Newark, DE.: Disaster Research Center, University of Delaware, 1998).
28. What is a Disaster? New Answers to Old Questions. (Philadelphia, PA.: Xlibris. 2005). (Co-Editor).
29. Handbook of Disaster Research. (New York: Springer, 2006) (Co-Editor).

B. CHAPTERS IN BOOKS

1. Contribution of several chapters in Human Reactions in Disaster Situations (Chicago: National Opinion Research Center, University of Chicago, Report No. 52, 1954) (Co-Author)
2. Mass behavior and governmental breakdown in major disasters: Viewpoint of a researcher. In The Police Yearbook 1965 (Washington: International Association of Chiefs of Police, 1965) 105-112.
3. Organization under stress. In Robert C. Bricton (ed.) Symposium on Emergency Operations (Santa Monica: System Development Corporation, 1966) 3-19.
4. Operational problems of organizations in disasters. In Robert C. Bricton (ed.) 1967 Emergency Operations Symposium (Santa Monica: System Development Corporation, 1967) 151-176. (Co-Author)

5. Preface. In Thomas E. Drabek, Disaster in Aisle 13 (Columbus: College of Administrative Science, The Ohio State University, 1968) vii-x.
6. A test of some propositions about crowd formation and behavior. In Robert R. Evans (ed.) Readings in Collective Behavior (Chicago: Rand McNally, 1969) 538-554. (Co-Author)
7. Blame in disaster: Another look, another viewpoint. In Dwight Dean (ed.) Dynamic Social Psychology (New York: Random House, 1969) 604-615. (Co-Author)
8. Emergent accommodation groups: Beyond current collective behavior typologies. In Tomatsu Shibutani (ed.) Human Nature and Collective Behavior: Papers in Honor of Herbert Blumer (Angled Cliffs, New Jersey: Prentice-Hall, 1970) 111-123.
9. Looting patterns in community disasters and disturbances. In The Proceedings of the Third National Symposium on Law Enforcement Science and Technology (Chicago: IT Research Institute, 1970) 323-327.
10. The absence of community conflict in the early phases of natural disasters. In C. G. Smith (ed.) Conflict Resolution: Contributions of the Behavioral Sciences (Notre Dame: Notre Dame Press, 1971) 200-204. (Co-Author)
11. Police department planning for civil disturbances: Organizational factors involved in changes. In Freda Adler and G. O. W. Mueller (eds.) Politics, Crime and the International Scene: An Inter-American Focus (San Juan, Puerto Rico: North-South Center Press, 1972) 76-88. (Co-Author)
12. Background and objectives of the seminar, Study and research in the United States, Comments on cross-cultural studies of disasters, and "Concluding remarks. In Proceedings of the Japan-United States Disaster Research Seminar (Columbus: Disaster Research Center, Ohio State University, 1972) 5-9, 17-23, 305-307, 312.
13. Human behavior in disaster. In Proceedings of the Conference to Survive Disaster (Chicago: ITT Research Institute, November 1973) 53-74.
14. Organizations as victims in American mass racial disturbances: A reexamination. In Israel Drapkin and Emilio Viano (eds.) Victimology: A New Focus (Lexington, Massachusetts: Lexington Books, 1974) 121-142. (Co-Author)
15. A report on the activities of the Disaster Research Center. In Les Comportements Associes Aux Catastrophes (Paris, France: Institute de International du Feu, 1975) 23-44. (Co-Author)
16. Human response in stress situations. In Proceedings of the First Conference and Workshop on Fire Casualties (Laurel, MD.: Applied Physics Laboratory, Johns Hopkins University, 1976) 99-112.
17. Emergency disaster plans for vocational schools. In Daniel E. Koble (ed.) Developing the Leadership Potential of Urban Vocational Education Administrators: 1976 National Leadership Seminar (Columbus: Center for Vocational Education, 1976) 151-162. (Co-Author)
18. The family and community context of individual reactions to disasters. In Howard Parad, H. L. P. Resnick, and Libbie Parad (eds.) Emergency and Disaster Management (Bowie, MD.: Charles Press Publishers, 1976) 231-244. (Co-Author)
19. Response to social crisis and disasters. In Annual Review of Sociology 3 (1977) 23-49. (Co-Author)

20. Panic behavior: Some empirical observations. In Human Responses to Tall Buildings (Stroudsburg, PA.: Dowden, Hutchinson, and Ross, 1977) 336-350.
21. Some views on the warning problem in disasters as suggested by sociological research. In National Weather Service Disaster Preparedness Report (Washington, D.C.: NOAA, 1978) 1-4. (Co-Author)
22. Disaster preparedness planning. In Fire Safety and Disaster Preparedness (Washington, D.C.: Office of Public Sector Programs, American Association for the Advancement of Science, 1979) 263-313. (Co-Author)
23. Social climate and preparations for sudden chemical disasters. In E. Pemberton Lewis et al. (eds.) Sociological Research Symposium (Richmond, VA.: Delta Chapter of Virginia AKD, 1980) 457-460.
24. The recovery period in U.S. disasters: Problems and opportunities. In Proceedings of National Public Policy Forum for Disaster Relief (New Windsor, MD.: National Voluntary Organizations, 1980) Chapter 7. (Co-Author)
25. Some research emphases for studies on mass communication systems and disasters. In Disasters and Mass Media (Washington, D.C.: National Academy of Sciences, 1980) 293-299.
26. Helping behavior in large scale disasters: A social organizational approach. In Smith and Macaulay (eds) Participation in Social and Political Activities (San Francisco: Jossey-Bass, 1980) 339-354. (Co-Author)
27. Community impact of airport disasters: Similarities and differences when compared with other kinds of disasters. In Managing the Problems of Aircraft Disasters Conference Material (Minneapolis, Minnesota: Department of Conferences, 1980) 1-17.
28. Commentary. A response to the description and evaluation of the DRC work in the disaster area. In J. Wright and P. Rossi (eds.) Social Science and Natural Hazards (Cambridge, MA.: Abt Books, 1981) 122-135.
29. Panic behavior in fire situations and a model from the English language research literature. In Proceedings of the Joint Panel Meeting. The U.J.N.R. Panel on Fire Research and Safety (Tokyo, Japan: Building Research Institute, 1981) 407-428.
30. Problems and prospects of collaborative cross-cultural disaster research. In T. Graf-Baumann and S. Metreveli (eds.) Unfall-und Katastrophen-forschung (Erlanger, Germany: Fachbuch, 1981) 265-283.
31. A model for studying community preparedness for acute chemical disasters. In T. Graf-Baumann and S. Metreveli (eds.) Unfall-und Katastrophen-forschung (Erlangen, Germany: Fachbuch, 1981) 336-353. (Co-Author)
32. Disaster planning: Small and large--Past, present, and future. In Proceedings: American Red Cross, EFO Division Disaster Conference (Alexandria, VA.: Eastern Field Office, ARC, 1981) 1-26.
33. Sociology and social psychology of disasters. In Complete Record of the Proceedings 9th World Civil Defense Conference (Geneva, Switzerland: International Civil Defense Organization, 1981) Part II, 1-8.
34. What is a disaster? An agent specific or an all disaster spectrum approach to socio-behavioral aspects of earthquakes?. In Jones and Tomazevic (eds.) Social and Economic Aspects of Earthquake

(Ljubljana, Yugoslavia and Ithaca, NY.: Institute for Testing and Research in Materials and Structures and Program in Urban and Regional Studies, Cornell University, 1982) 453-478.

35. Human resources and organizational behaviors in community disasters and their relationship to planning. In Complete Record of Proceedings: Emergency 82 International Congress on Disaster Preparedness and Relief (Geneva, Switzerland: International Civil Defense Organization, 1983) 7/1-17.

36. Riots: Behavioral aspects. In Sanford Kadish (ed.) Encyclopedia of Crime and Justice (NY.: Free Press, 1983) 1379-1384 (Co-Author)

37. Sociobehavioral aspects of chemical hazards: Summary findings on preparations for and responses to acute chemical emergencies at the local community level. In Marie Larkin et al. (eds.) Sociological Research Symposium XIII (Richmond, VA.: Department of Sociology, Virginia Commonwealth University, 1983) 116-118.

38. Unterschiedliche Typen des Gruppenverhaltens bei Katastrophen. In Lars Clausen and Wolf Dombrowsky (eds.) Einführung in die Soziologie der Katastrophen (Bonn, Germany: Osang Verlag, 1983) 137-155 (in German).

39. The preparation of citizen groups for earthquakes. In Proceedings of the Eight World Conference on Earthquake Engineering Volume 7 (Englewood Cliffs, NJ.: Prentice Hall, 1984) 901-908.

40. People's reactions to emergency warnings. In Transcript of the Dam Safety Conference (Charleston, WV.: Department of Natural Resources, 1984) 177-187.

41. Research findings on community and organizational preparations for and responses to acute chemical emergencies. In Proceedings Symposium on Chemical Emergency Preparedness Seminar (Metepac, Mexico: Centro Panamericano de Ecología Humana y Salud, 1984) 337-341 (Co-Author)

42. Planning for organizational problems and human resources in disasters: A social science research perspective. In R. Raghavulu Nadiu (ed.) Disaster Management (Tirupati, India: Sri Venkateswara University, 1984) 105-118.

43. An assessment of conflicting views on mental health: The consequences of traumatic events. In Charles R. Figley (ed.) Trauma and Its Wake: The Treatment of Post-Traumatic Stress Disorder (NY.: Brunner/Mazel, 1985) 173-215.

44. What is disaster? The need for clarification in definition and conceptualization in research. In Barbara Sowder (ed.) Disasters and Mental Health Selected Contemporary Perspectives (Washington, D.C.: U.S. Government Printing Office, 1985) 41-73.

45. Social support systems: Some behavioral patterns in the context of mass evacuation activities. In Barbara Sowder (ed.) Disasters and Mental Health Selected Contemporary Perspectives (Washington, D.C.: U.S. Government Printing Office, 1985) 122-136.

46. Community response to disasters. In Barbara Sowder (ed.) Disasters and Mental Health Selected Contemporary Perspectives (Washington, D.C.: U.S. Government Printing Office, 1985) 158-168. (Co-Author)

47. First responders and their initial behavior in hazardous chemical transportation accidents. In Conference on Recent Advances in Hazardous Materials Transportation Research: An International Exchange November 10-13, 1985 (Washington, D.C.: Transportation Research Board, National Research Council, 1985) 274-296. (Co-Author)

48. Social problems of adjustment and relocation: Some questions and comments. In Proceedings of the International Conference on Disaster Mitigation Program Implementation Ochos Rios, Jamaica, November 12-16, 1984 (Alexandria, VA.: Center for International Development Planning and Building, Virginia Polytechnic Institute and State University, 1986) 84-90.
49. Role simplification in disaster. In Role Stressors and Support for Emergency Workers (Washington, D.C.: U.S. Government Printing Office, 1986) 23-37. (Co-Author).
50. The Need for Planning, Training, and Policy on Emergency Preparedness. In M. E. Logan (ed.) Symposium 1985 Training and Education for Emergency Preparedness in Canada Today & Tomorrow (Ottawa, Canada: Emergency Planning Canada, 1986): 80-86.
51. A Concluding Commentary (on Sociology of Disasters Chapters). In R. R. Dynes, B. De Marchi and C. Pelanda (eds.) Sociology of Disasters (Milan: Franco Angeli, 1987): 403-416.
52. Factors Affecting the Behavior of First Responders in Hazardous Chemical Transportation Accidents. In World Conference on Chemical Accidents (Edinburgh, Great Britain: CEP Consultants, 1987): 192-195.
53. Disastro. In F. De Marchi, A. Ellena and B. Cattarinussi (eds.) Nuovo Dizionario de Sociologia (Milan, Italy: Edigioni Paoline, 1987: 674-683. (Co-Author). (in Italian)
54. The Controversy on the Mental Health Consequences of Disasters. In Groups and Organizations in War, Disaster and Trauma, (Bethesda, MD.: Department of Psychiatry, Uniformed Services University of the Health Sciences, 1987): 1-35.
55. Citizen Groups and Hazardous Waste: Their Careers and Conditions for Emergency. In Hazardous Waste: Detection, Control, Treatment: Proceedings of the World Conference on Hazardous Waste, (Amsterdam, The Netherlands: Elsevier, 1988): 1757-1764.
56. Community and Organizational Preparations for and Response to Acute Chemical Emergencies and Disasters in the United States: Research Findings and Their Wider Applicability. In Proceedings of European Conference on Emergency Planning for Industrial Hazards (Ispra, Italy: Commission of the European Communities, 1988): 1-20.
57. The Social Science Study of Disasters and Mass Communication. In L. Walters, L. Wilkins and T. Walters (eds.) Bad Tidings: Communication and Catastrophe (Hillsdale, NJ.: Lawrence Erlbaum Associates, 1989): 1-19.
58. Disaster Education: It's Substantive Content and Target Audience. In Post Congress Record of Proceedings Emergency 88 (London, Great Britain: Institute of Civil Defense, 1989): 1-19.
59. Characteristics of Citizen Groups Which Emerge With Respect to Hazardous Waste Sites. In Dennis L. Peck (ed.) Psychological Effects of Hazardous Toxic Waste Disposal on Communities (Springfield, IL.: Charles C. Thomas, 1989): 177-195.
60. Planning and Management for the Prevention and Mitigation of Natural Disasters Especially in a Metropolitan Context: Initial Questions and Issues Which Need to be Addressed. In Planning for Crisis Relief Vol. 3 Planning and Management for the Prevention and Mitigation from Natural Disasters in Metropolis (Nagoya, Japan: United Nations Centre, 1989): 1-17.

61. Disaster Prevention and Mitigation in Lada: Problems and Options in Planning and Implementing in a Composite Country. In Colloquium on the Environment and Natural Disaster Management Draft Papers (Washington, D.C.: Environmental Department, World Bank, 1990): Tab 8:1-29.
62. Thirty years of catastrophe research. In Patrick Lagadec States of Emergency: Technological Failures and Social Destabilization (London: Butterworth-Heinemann, 1990): 22-231.
63. Disaster response: generic or agent-specific?. In Alcira Kreimer and Mohan Munasinghe (eds.) Managing Natural Disasters and the Environment (Washington, D.C.: Environment Department, The World Bank, 1991): 97-105.
64. Criteria for evaluating disaster planning in an urban setting. In Francesco Battisti (ed.) La Citta e L'emergenza: Organizzazione Della Protezione Civile e Pianificazione Della Sicurezza Nelle Aree Metropolitane (Milan, Italy: Franco Angeli, 1991): 39-63.
65. A cross-societal comparison of disaster news: Reporting in Japan and the United States. In Lee Wilkins and Philip Patterson (eds.) Risky Business: Communicating Issues of Science, Risk, and Public Policy (NY.: Greenwood Press, 1991): 97-111. (Co-Author).
66. Collaboration on several sections of Alcira Kreimer Lessons Learned From Emergency Lending (Washington, D.C.: Policy and Research Division, World Bank, 1991).
67. The mass media in disasters in the United States. In Proceedings of the IDNDR International Conference 1990 Japan-Towards A Less Hazardous World in the 21st Century (Tokyo, Japan: Japanese Government Headquarters for the IDNDR, 1991): 348-353.
68. Lessons from research: Findings on mass communication system behavior in the pre, trans, and postimpact periods. In Seminar Report on Crises and the Media, 1991. (Easingwold, England: The Emergency Planning College, 1991): 1-60.
69. Radiation disasters: Similarities to and differences from other disasters. In R. Ricks, M. Berger and F. O'hara Jr. (eds) The Medical Basis for Radiation-Accident Preparedness III: The Psychological Perspective. NY.: Elsevier, 1991): 15-24.
70. Disaster research. In E. Borgatta and M. Borgatta (eds.) Encyclopedia of Sociology. NY.: MacMillan, 1992): 492-498.
71. Urban vulnerability and technological hazards in developing societies. In Environmental Management and Urban Vulnerability. (Washington, D.C.: The World Bank, 1992): 187-236.
72. The environmental disasters of the future will be more and worse but the prospect is not hopeless. In the 4th DPLU Conference Proceedings V-1. (Bradford, England: University of Bradford, 1992): 1-17.
73. Some aspects of disaster planning in developing countries. In Disaster Management and Regional Development Planning With People's Participation Volume 2. (Nagoya, Japan: United Nations Centre for Regional Development, 1992): 113-140.
74. Social psychological aspects of evacuating or sheltering health care facilities in the event of a nuclear power plant accident. In Proceedings of the World Conference on Technological Disasters Volume 2. (Rome, Italy: Department of Civil Protection, 1992): .

75. The different worlds of science and mass communication: Implications for information flow from the former to the latter. In J. Nemeč, J. M. Nigg and F. Siccardi (eds.) Prediction and Perception of Natural Hazards. Boston: Kluwer Academic Publishers, 1993): 175-182.
76. Technological and natural disasters and ecological problems: Similarities and differences in planning for and managing them. In Memoria del Coloquio Internacional: El Reto de Desastres Tecnológicos y Ecológicos. Mexico City, Mexico: Academia Mexicana de Ingeniería, 1993: 87-112.
77. Disastri (Disasters). In Enciclopedia Delle Scienze Sociali. Rome, Italy: Istituto Della Enciclopedia Italiana, 1993: 140-150. (in Italian)
78. Human and group behavior in the emergency period of disasters: Now and in the future. In Crisis in a Complex Society: Easingwold Papers No. 7. Easingwold, York, England: Home Office Emergency Planning College, 1994: 4-19.
79. The future will not be like the past. Litigious social climate. Implications for mitigation of the technological revolution in mass communication systems. Cooperation and coordination between the public and private sector. In Facing the Challenge, the US National Report. Washington, D.C.: National Academy Press, 1994: 18-19, 33-37.
80. Natural disasters. In Ruth Eblen and William Eblen (eds) Encyclopedia of the Environment. Boston: Houghton Mifflin, 1994: 466-468.
81. The place of the explosion in the history of disaster research: The work of Samuel H. Prince. In Alan Ruffman and Colin Howell (eds.) Ground Zero: A Reassessment of the 1917 Explosion in Halifax Harbour. Halifax, Canada: Nimbus Publishing Limited, 1994: 55-68, 431-432.
82. Disasters and catastrophes: Their conditions in and consequences for social development. In Proceedings of the International Seminar on Society and Disaster Prevention. Mexico City, Mexico. 1994: 87-112.
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84. The similarity of future disasters in Italy and the United States: The effects of current social change trends. In Mario Aldo Toscano (ed.) Origins and Transitions; Towards A Plural Citizenship. Los Angeles, CA.: Ipermedium. 1996: 77-101.
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D. FINAL RESEARCH PROJECT REPORTS (not otherwise published in this form)

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2. The Disaster Research Center Simulation Studies of Organizational Behavior Under Stress, 1967.
3. Simulation Studies of Communication Behavior Under Stress: Phases One and Two .Final Technical Report, 1969.
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5. Simulation Studies of Communication Behavior Under Stress: Concluding Observations Final Technical Report, 1970.
6. Organizational Responses to Major Community Crises, 1975.
7. The Delivery of Mental Health Services in the Xenia Tornado, 1975.
8. Organizational Communications and Decision Making in Crises, 1977.
9. Delivery of Emergency Medical Services in Disasters, 1977.
10. Studies in Disaster Response and Planning, 1979.
11. Delivery of Mental Health Services in Disaster, 1979.
12. Evacuation Behavior and Problems :Findings and Conclusions from the Research Literature, 1980.
13. Sociobehavioral Responses to Chemical Hazards: Preparations for and Responses to Acute Chemical Emergencies at the Local Community Level, 1981.
14. Sheltering and Housing After Major Community Disasters: Case Studies and General Observations, 1982.
15. Developments of Collaborative Japan-United States Socio-Behavioral Disaster Research, 1982.
16. Emergent Behavior at Emergency Time Periods of Disasters, 1984.
17. Emergent Citizen Groups in Disaster Preparedness and Recovery Activities, 1985.
18. The Functioning of the Local Emergency Services Offices in Disasters, 1985.
19. Disaster Analysis: Emergency Management Offices and Arrangements, 1986. (Co-Authored)
20. Disaster Analysis: Police and Fire Departments, 1989. (Co-Authored)

E. OTHER PUBLICATIONS

There are about six dozen plus research notes, working papers, preliminary papers, miscellaneous reports, etc., which have not been published in other forms (list available upon request).

F. EDITED JOURNAL ISSUES

1. "Editors' introduction to issue on organizational and group behavior in disasters," American Behavioral Scientist 13 (January/February 1970) 325-330. (Co-Editor)
2. "Editor's introduction to issue on urban civil disturbances: Organizational change and group emergence," American Behavioral Scientist 16 (January/February 1973) 305-311. (Co-Editor)
3. "Editor's introduction to issue on social aspects of acute chemical emergencies," Journal of Hazardous Materials 4 (March 1981) 309-312. (Co-Editor)
4. "Editor's introduction to issue on regional development planning for disaster prevention," Regional Development Dialogue 4 (1988): iii-v.
5. "Editor's introduction to issue on social aspects of preparing for and responding to hazardous material disasters," Journal of Hazardous Materials 14 (1991): 1-2.
6. "Editorial: social aspects of the Exxon Valdez oil spill," Industrial Crisis Quarterly 6 (1992): 167-173. (Co-editor)
7. "Editor's introduction: What is a disaster?" International Journal of Mass Emergencies and Disasters 13 (1995): 221-229.
8. "Introduction: Special issue on conference of local authorities confronting disasters and emergencies. Journal of Contingencies and Crisis Management 4 (1996): 185-188.

Manuscript Referee:

Periodicals: American Journal of Sociology, Science, Social Forces, Human Organization, American Sociological Review, Public Administration Review, Sociology and Social Research, Journal of Community Psychology, Social Science Quarterly, Society, Sociological Inquiry, Social Problems, Journal of Nervous & Mental Disease, Sociological Focus, Sociological Quarterly, Issues in Criminology, Sociological Methods and Research, Journal of American Institute of Planning, Public Health Reports, American Psychologist, Industrial Crisis Quarterly, Communications Research, Journal of Hazardous Materials, Environment and Behavior, Disaster Management, Regional Development Dialogue, Journal of Management Studies, Disasters, Social Science Research, Natural Hazards, Journal of Traumatic Stress, Journal of Community Psychology, Risk Management, Biosecurity and Bioterrorism, etc.

Publishers: Ohio State University Press; Penn State University Press; D.C. Heath Publisher; University of Delaware Press; University of Georgia Press; Oxford University Press; Prentice Hall; Kluwer Academic Publishers, US Geological Survey, Routledge Publisher, National Academy Press, etc.

Editorships:

Co-editor, Unscheduled Events, 1967-1970; Associate Editor, Sociological Quarterly, 1974-1980; Co-editor, Mass Emergencies, 1975-1979; Advisory Editor, Disasters: The International Journal of Disaster Studies and Practice, 1976-1986; Editorial Board, Journal of Hazardous Materials, 1978-2001; Editorial Board, Hazard Monthly, 1980-present; Editor, International Journal of Mass Emergencies and Disasters, 1983-1986; Editorial Board, Psychosocial Stress, 1985-present; Editorial Board, Journal of Traumatic Stress, 1986-1989; Editorial Board, Industrial Crisis Quarterly 1987-1994; Editorial Board, Disaster Management, 1991-1994; Advisory Panel, Asia-Pacific Journal of Rural Development, 1991-2000; Editorial Board, Natural Hazards, 1991-present; Editorial Board International Journal of Disaster Prevention and Management-present; Editorial Board, Journal of Natural Disaster Studies, 1992-present; Editorial Board, Emergency, 1993-present; Editorial Board, Journal of Contingencies and Crisis Management, 1996-present; etc.

Book Reviews:

American Journal of Sociology, Crime and Delinquency, Reviews in American History, Sociological Quarterly, Disasters, Sociological Focus, Environment and Behavior, American Sociological Review, International Journal of Mass Emergencies and Disasters, Journal of Hazardous Materials, Social Forces, etc.

Consultant Experiences:

Committee on Disaster Studies of the National Academy of Sciences; University of Illinois Dental School; University of Colorado UFO Study; University of Wisconsin Institute on Poverty; Ohio Council of Churches; Impact Assessment Inc.; City of Cincinnati Department of Health; Committee on U.S. Emergency Preparedness of the National Research Council; Maravan of Venezuela; The World Bank; The World Health Organization, the General Secretariat for Civil Protection in Greece, etc.

Formal Papers Presented at Professional Scientific Meetings:

American Sociological Association, Ohio Valley Sociological Society, World Congress of Sociology, American Association of Public Health, American Association for the Advancement of Science, Popular Culture Association, Ohio Academy of Sciences, Human Factors Society, Southern Sociological Society, American Psychological Association, American Meteorological Society, Southwestern Sociological Association, Society for Social Problems, Midwest Sociological Association, American Chemical Society, American Society of Criminology, American Society for Public Administration, International Institute of Sociology, etc.

Conferences, Workshops and Other Meetings: Domestic---

Southern Regional Educational Board Workshop, American Hospital Association, System Development Corporation Emergency Operations Symposium, Brandeis University Center for Study of Violence Workshop, Temple University MEND Conference, New York State Conference of Disaster Coordinators, Central Ohio Fire Chiefs Meeting, Midwest Council of State Governments, International Conference on Earthquakes, AID Seminar on Disaster Preparedness, OEP Hurricane Preparedness Conference, Purdue University AKD Lecture, American National Red Cross Annual Meeting, International Association of Chiefs of Police Annual Meeting, Kent State University Colloquium, Workshop on Crisis Research, Johns Hopkins Conference and Workshop on Fire Casualties, Conference on Human Responses to Tall Buildings, University of Michigan School of Public Health, University of Southern California Institute of Disaster Preparedness, Conference on Reduction of Natural Hazards, Dayton Mental Health Center, Fire Workshop of the National Bureau of Standards, Ohio National Guard Annual Workshop, Columbia University Seminar on Public Communication, National Symposium on Law Enforcement Science and Technology, Ohio Department of Mental Health, NIMH Continuing Education Seminar on Emergency Mental Health Services, Conference on Designing to Survive Disasters, Ohio State Disaster Services Agency, Youngstown Police Department, International Affairs Symposium of U.S. Institutes for Military Assistance, University of North Carolina Sociology Department, NIMH Workshop on Aircraft Accidents, University of Georgia Symposium on Disaster Assistance and Development, Business and Industry Conference on Emergency and Disaster Planning, Natural Hazards Research and Applications Workshop, National Park Services Managing Emergency Operations Course, Tri-State Emergency Association Symposium, CFR Basic School Program, Second World Congress on Emergency and Disaster Medicine, American Red Cross EFO Division Disaster Conference, International Conference on Managing the Problems of Aircraft Disasters, The Wingspread Conference on Disaster Response in the United States, Social Science Contributions to Natural Hazards Research: An Assessment Conference, University of Cincinnati, American Association of Advancement of Science Workshop on Fire Safety and Disaster Preparedness, Preparedness, National Academy of Sciences Workshop on Disasters and the Mass Media, Uniformed Services University of the Health Sciences, Dade County Disaster Nursing Council Seminar, Dam Safety Conference, Eighth World Conference on Earthquake Engineering, Stress and Behavioral Emergencies: An International Conference, Emergency 85, Second International Assembly on Emergency Medical Services, Region III National Coordinating Council on Emergency Management Annual Conference, Symposium on Policy Issues in the Provision of Post-Earthquake Shelter and Housing, Joint Commission on Accreditation of Health Care Organizations, etc.

Foreign---

International Red Cross Pre-Disaster Preparedness Seminar (Trinidad), Tokyo Metropolitan Police Board Emergency Planning Group (Japan), International Seminar of the Ecology of Natural Disasters (Belgium), Canadian Emergency Measures Organization, Center d'Etudes Psycho-sociologiques des Sinistres et leur Prevention (France), EMO Staff College (Canada), Swedish Civil Defense Administration, London Technical Group (Great Britain), National Defense Research Institute of Sweden, Australian Natural Hazards Symposium, International Conference of Disaster Researchers (France), Swedish Organizing Committee of Disaster Medicine, United States-Japan Workshop on Fire Behavior (Japan), Manchester Emergency Planning Seminar (Great Britain), Institute of Journalism-University of Tokyo (Japan), Association of Civil Defense and Emergency Planning Officers-Birmingham (Great Britain), International Symposium on Disasters and Human Behaviors (Italy), Third International Conference on Social and Economic Aspects of Earth-quakes (Yugoslavia), World Congress of Emergency and Disaster Medicine (Brazil), Seminar Earthquake '81 (Canada), Australian Counter Disaster College, World Conference on Chemical Accidents (Italy), First International Conference on Urban Emergencies (Mexico), Emergency 82: International Congress on

Disaster Preparedness and Relief (Switzerland), Institute of International Sociology (Italy), Disaster Behavioristic Society (Japan), Inter-national Disaster Institute (Great Britain), Emergency Planning Research Conference (Canada), Hellenic Sociological Association (Greece), International Conference on Disaster Mitigation Program Implementation (Jamaica), Home Defence College (Great Britain), Chemical Emergency Preparedness Program (Mexico), Earthquake Planning and Protection Organization (Greece), International Research Seminar on Regional Development (Hungary), Calamities and Emergence of Mass Behavior (Italy), Oxford Polytechnic (Great Britain), World Conference on Hazardous Waste (Hungary), Asian Disaster Preparedness Center (Thailand), Envirotech 86 (India), Counter Measures College (Australia), Emergency 88 (Great Britain), International Congress on Messina Earthquake (Italy), Cambridge University (Great Britain), European Conference on Emergency Planning for Industrial Hazards (Italy), The Study of Technological Risk International Symposium (France), Emergency Planning '93 (Great Britain), International Conference for the Reconstruction from the 9-21 Earthquake in Taiwan, International Forum for Civil Defence (Italy) etc.