

## Curriculum Vitae **EVE GRUNTFEST** August 2004

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### ACADEMIC TRAINING

- Ph.D. Geography, University of Colorado Boulder, CO 1982
- M.A. Geography, University of Colorado Boulder, CO 1977
- B.A. Geography, Clark University Worcester, MA 1973

### ACADEMIC WORK EXPERIENCE

6/00- **Professor** Geography & Environmental Studies, University of Colorado, Colorado Springs

3/03-6/03 **Distinguished Chair of Geography** University of Trieste, Italy, Fulbright scholarship

8/98- 6/99; 1/95-9/97 **Department Chair** Geography & Environmental Studies, University of Colorado, Colorado Springs

10/99-6/00; 10/97-8/98 **Senior Fellow** Cooperative Institute for Research in the Atmosphere, Colorado State University, Fort Collins, CO

6/88-5/99 **Associate Professor** Geography & Environmental Studies, University of Colorado, Colorado Springs

9/80-5/88 **Assistant Professor** Geography & Environmental Studies, University of Colorado, Colorado Springs

9/79-5/80 **Visiting Instructor** Geography, University of Vermont, Burlington, VT

### REFEREED PUBLICATIONS & BOOK CHAPTERS

Flood Risk Uncertainty & Scientific Information for Decisionmaking Lessons from an Interdisciplinary Projected submitted to **Bulletin of the American Meteorological Society** (w. R. Morss and O. Wilhelmi and M. Downton) (in review)

Flash Flood Mitigation: Recommendations for Research & Applications, in **Global Change Environmental Hazards** (w. B. Montz) 4(1) March 2002, pp. 15-22

**Coping with Flash Floods** book & chapters Kluwer Academic Publishers, Dordrecht, 2001, edited collection (w. J. Handmer). Based on the findings from the NATO Advanced Study Institute held in Ravello, Italy, November 8-18, 1999

Flooding in **Handbook of Weather, Climate & Water** edited by Potter & Colman (eds), Wiley Interscience 2003, pp. 691-705 (w. S. Jennings)

Two Floods in Fort Collins, Colorado Learning from a Natural Disaster **Bulletin of the American Meteorological Society** May 2000, pp. 2359-2366. (w. J. Weaver & G. Levy)

Flash Floods in the United States in **Storms** edited by R. Pielke, Jr. & R. Pielke, Sr. Routledge 1999 pp. 192-207

Reducing Loss Susceptibility in Flash Floods in **Floods** edited by D. Parker, Routledge 2000, pp. 377-390 (w. A. Ripps)

Nonstructural Mitigation of Flood Hazards in **Inland Flood Hazards: Human, Riparian & Aquatic Communities** edited by E. Wohl, Cambridge University Press 2000, pp. 394-410

The Social & Economic Impacts of Extreme Floods published in **Proceedings US-Italy Workshop on the Hydrometeorology Impacts & Management of Extreme Floods** edited by J. Salas 1999.

The Internet as a Tool: Implications for Emergency Management & Disaster Mitigation in **International Journal of Mass Emergencies & Disasters** 1998, vol. 16(1) pp. 55-72 (w. M. Weber)

**What We Have Learned Since the Big Thompson Flood: Twenty Years Later** (editor) published by Natural Hazards Research & Applications Information Center, Boulder 1997, Special Publication 33

The Technological Dilemma in Flood Loss Reduction: Lessons from the 1993 Summer Midwestern Floods in **The Image of Technology Selected Papers from the 1994 Conference Society for the Interdisciplinary Study of Social Imagery** edited by W. Wright & S. Kaplan, pp. 295-299

Mitigation & Litigation: Lessons from the St. Louis 1993 Flood **Update Water Resources** April 1994, pp. 40-44 (w. D. Pollack)

Flood Disaster Relief, Rehabilitation, & Reconstruction in **Coping with Floods** edited by G. Rossi, N. Harmancioglu, & V. Yevjevich, NATO ASI Series, Kluwer Academic Publishers 1994, pp. 723-733

Summary of the State of the Art in Flash Flood Warning Systems in the US **Prediction & Perception of Natural Hazards** edited by J. Nemecek et al., Kluwer Academic Publishers, Dordrecht 1993, pp. 119-124

Toward a Comprehensive National Assessment of Flash Flooding in the United States in **Episodes** March 1991, pp. 26-35 (w. C. Huber)

Assessing Programme Effectiveness: A 1987 Report on Warning Systems in the USA **Hazards & the Communication of Risk** edited by J. Handmer & E. Penning-Rowsell, Gower Technical, United Kingdom 1990, pp. 195-203

Geographic Perspectives on Women: A Status Report **Geography in America** edited by G. Gaile & C. Wilmott, Merrill Publishing Company, Columbus, Ohio 1989, pp. 673-683

Status Report on Flood Warning Systems in the United States in **Environmental Management** Vol. 13(3) 1989, pp. 279-286 (w. C. Huber)

Warning Dissemination & Response with Short Lead Times **Flood Hazard Management British & International Perspectives** edited by J. Handmer, Geo Books, United Kingdom 1987, pp. 191-202

Pre-Flood/Post-Flood Mitigation Planning: The Manitou Springs, Colorado Case **International Journal of Mass Emergencies & Disasters** November 1986

The Availability of Flood Insurance for Mobile Home Dwellers in Colorado Springs, CO **Journal of Environmental Systems** November 1986, pp. 179-187 (w. L. Houser)

Changes in American Urban Floodplain Occupancy since 1958: The Experience of Nine Cities in **Applied Geography** October 1986, pp. 325-338 (w. B. Montz)

The Use of Wood as Fuel in North America: Prospects & Problems in **Journal of Environmental Systems** Vol.14(3) 1984-85, pp.321-331 (w. T. Huber & L. LaPalme-Roy)

Public Opposition to Large Scale Soft Technology in Vermont: Four Case Studies in **Journal of Environmental Systems** Vol.14(2) 1984-85, pp.137-146 (w. M. Eichen)

Flood & Avalanche Hazard in Colorado: Political Implications of the New Federalism in **Environmental Management** Vol. 7(6) November 1983, pp. 505-510 (w. T. Huber)

Assessment of Research on Individual Behavioral Response to Warnings of Extreme Events in **Proceedings of the International Symposium on the Real Time Operation of Hydrosystems** Water Resources Publications 1982, pp. 35-43

Big Thompson Flood Exposes Need for Better Flood Reaction System to Save Lives **Civil Engineering** February 1978, pp. 72-74 (w. T. Downing & G. White)

## GRANTS & AWARDS

- 7/04-12/04 **Co-Principal Investigator**. National Center for Atmospheric Research Learning from the 1993 Superstorm \$7,000
- 7/03-6/06 **Principal Investigator** National Science Foundation Toward Improved Understanding of Warnings for Short-Fuse Weather Events \$422,951 (w. C. Benight)
- 6/02-6/03 **Principal Investigator** National Research Council Collaboration in Basic Science & Engineering for collaborative research between Slovenia & US for flash flood & landslide research \$8700 (w. B. Montz & M. Brilly)
- 3/01-12/01 **Principal Investigator** \_An Evaluation of the Boulder Flood Warning System, Urban Drainage & Flood Control District & Boulder County \$40,000
- 8/99-6/00 **Principal Investigator** Learning From False Alarms, US Bureau of Reclamation \$15539
- 7/98 **Principal Investigator** Coping with Flash Floods proposal to hold an Advanced Study Institute at Ravello, Italy November 7-18, 1999 NATO \$65,000
- 8/98-10/98 **Principal Investigator** Alternative Uses of ALERT Data, US Bureau of Reclamation \$6000
- 6/95-6/96 **Co-Principal Investigator** Course support for Humans & Environments Class Global Change Program, University of Colorado \$7500 (w. K. Warner)
- 7/93 **Principal Investigator** Learning from the 1993 Midwestern Floods Quick Response Proposal, Natural Hazards Research & Applications Information Center \$2500
- 6/92-8/92 **Selected Participant** National Endowment for the Humanities to participate in course Images of Amazonia University of California, Berkeley \$4,000
- 6/92-1/93 **Advisor** Grant for student research project The Elevation Question in Colorado Front Range Floods: A Review of the Literature & a Synopsis of Agency Perspectives, Natural Hazards Research & Applications Information Center \$1000
- 4/92-4/93 **Principal Investigator** Weather Service Modernization: A Boulder Experiment, NOAA & Environmental Research Laboratory, Boulder, CO \$25,000
- 2/88-1/92 **Principal Investigator** Flash Flood Hazard Mitigation: Comprehensive Assessment National Science Foundation \$124,896
- 6/87-10/87 **Principal Investigator** Flash Flood/Dam Failure Warning System Survey, US Bureau of Reclamation, Interagency Personnel Agreement, Denver \$10,000
- 5/87-8/87 **Principal Investigator** Household Leakage Survey at Fort Carson USA Construction Engineering Research Laboratory \$34,733
- 1/86-12/86 **Principal Investigator** What We Have Learned Since the Big Thompson Flood, Symposium Held July 17-19, 1986, National Science Foundation, National Oceanic & Atmospheric Administration Environmental Research Laboratory & US Army Corps of Engineers \$45,000
- 1988-1992 **Principal Investigator** Flash Flood Hazard Mitigation, Quick Response Research, Ventura California February 1992 to study warning system, Natural Hazards

5/85	Research & Applications Information Center Boulder, CO \$2300 <b>Selected Participant</b> National Endowment for the Humanities Summer Course, Perception of Landscape in Art & Literature, City University of New York \$3,000
1/85-7/85	<b>Principal Investigator</b> Flood Hazard Mitigation Planning for Manitou Springs, CO, Federal Emergency Management Agency, Published Report & Slide/Tape Presentation \$25,000
11/84-6/85	<b>Co-Principal Investigator</b> Assessment of Environmental Hazards in Colorado Springs, CO Department of Local Affairs, (w. T. Huber) \$1500
6/84-8/88	<b>Recipient</b> Two Travel Grants from the National Research Council to attend the International Geographical Union (IGU) meeting in Paris, 1984 (\$700) & the IGU meeting in Australia, 1988 (\$1000)
7/84	<b>Co-Principal Investigator</b> Courting Disaster, the Elderly in Mobile Home Parks in Hazardous Areas (w. R. Larkin) \$750
1/84	<b>Co-Principal Investigator</b> Ice Jams in Vermont Quick Response Research, Natural Hazards Research & Applications Information Center & University of Colorado Institute of Behavioral Science, Boulder, CO (w. M. Ottum) \$1,300
6/82-12/82	<b>Principal Investigator</b> Changes in Flood Plain Land Use in American Cities Since 1958, UCCS Research & Creative Works Awards Committee \$3,180
5/81-12/81	<b>Co-Principal Investigator</b> Mobile Homes & Energy Conservation, Energy Research Institute, Golden, CO (w. R. Czerniak) \$3,500

## SPONSORED RESEARCH PUBLICATIONS & REPORTS

An Evaluation of the Boulder Creek Local Flood Warning System Urban Drainage & Flood Control District & City & County of Boulder 2002 (w. K. Carsell & T Plush)  
[www.udfcd.org/FWP/LFWSresearch.htm](http://www.udfcd.org/FWP/LFWSresearch.htm)

The Warning Process: Toward an Understanding of False Alarms US Bureau of Reclamation 2000 (w. K. Carsell)

Beyond Flood Detection Alternative Applications of Real-Time Data US Bureau of Reclamation 1998, 49 pp. (w. P. Waterincks)

A Review of Recent Recreation Research & Potential Application for Long Term Monitoring in the Grand Canyon prepared for the National Research Council Water Science & Technology Board workshop on Long Term Monitoring in the Grand Canyon, Irvine, CA 1992

Twenty Years in Quick Onset Hazard Warnings, Progress, Problems & Prospects prepared for the NSF sponsored invitational meeting on Prospects for the Next Hazards Assessment, Estes Park, CO, July 1992

Options for Mitigating Ice Jam Flooding prepared for the US Army Corps of Engineers Cold Regions Research & Environmental Laboratory, Hanover, NH 1995, 45 pp.

Proceedings of the Multi-Objective Stream Corridor Management Conference (editor & contributor) published by the Assn. of State Floodplain Managers 1991, 141 pp.

Flash Flood/Dam Failure Warning System Survey prepared for the US Bureau of Reclamation, November 1987, 62 pp.

What We Have Learned Since the Big Thompson Flood Editor & Contributor, Special Publication #16, Natural Hazards Research & Applications Information Center, University of Colorado, Boulder 1986, 271 pp.

Manitou Springs Flood Hazard Mitigation Plan Center for Community Development & Design, sponsored by the Federal Emergency Management Agency, the Colorado Department of Disaster Emergency Services & City of Manitou Springs 1985, 69pp.

The Environmental Hazards of Colorado Springs Boulder, Natural Hazards Research Working Paper #54, November 1985 (w. T. Huber), 61pp.

What People Did During the Big Thompson Flood Working Paper #32, Institute of Behavioral Science, University of Colorado, Boulder, CO 1977, 35pp.

### PROFESSIONAL SERVICE

- 5/04 **Keynote Speaker**, Idaho Emergency Managers & National Weather Service meeting, Pocatello, ID
- 2/04 **Invited Speaker** University of Arizona Geography Department
- 12/03-8/04 **Committee Member**, National Research Council, Board on Atmospheric Sciences & Climate NEXRAD Flash Flood Forecasting Capabilities at Sulphur Mountain, CA Washington, DC
- 11/03-12/04 **Consultant** with the evaluation of a flood severity scale for the National Weather Service –collaborating with David Ford Consulting Engineers, Sacramento, CA
- 10/04 **Invited Review Team Member** for National Oceanic & Atmospheric Administration Science Review Board to review Cooperative Institute for Mesoscale Meteorological Studies, Norman Oklahoma
- 7/04 **Invited presenter** for the Advanced Warning & Operations Course, Warning Decision Training Branch, National Weather Service Norman OK, July
- 4/04 **Presenter** Colorado Mitigation & Wildfire Conference, Lessons from 2002 Colorado Wildfires, Colorado Springs, CO
- 7/03 **Moderator** at invitational Natural Hazards meeting Boulder, CO sponsored by the Natural Hazards Research and Applications Information Center, July 16 for session Leveraging new media to raise public awareness about risk
- 4/03 **Reviewer** for THORPEX project – for National Oceanic & Atmospheric Administration – written review of multi million dollar proposed program to improve short term weather forecasts – part of World Weather Research Program
- 3/03 & 9/03 **Quoted & Interviewed:** Floodsafety.com-on camera interview for flash flood documentary, Austin, TX February. & in the Washington Post, September 18, pp 1,7 regarding expected flooding for Washington, DC area as part of Hurricane Isabel
- 2/03 **Organizer & Chair** American Meteorological Society paper sessions on hydrology & meteorology for February 12 meeting in Long Beach, CA
- 1/03-  
6/02- 12/02 **Member** Board on Outreach & Public Education, American Meteorological Society  
**Invited participant** in the Partnership for Public Warnings workshop, Washington, DC
- 2/02 **Invited Reviewer** National Science Foundation Panel Washington, DC
- 03/02 **Steering Committee Member** Quantitative Precipitation Forecasting, US Weather Research Program, National Center for Atmospheric Research October 8, Talk presented in Boulder Workshop March 4, 2002
- 4/02-5/02 **Invited Visiting Scientist** One month Environmental Societal Impacts Group, National Center for Atmospheric Research, Boulder, CO
- 8/27/02 **Invited Keynote Presentater**, Flash Flood Workshop, Social Science & Warnings, National Weather Service, Boulder, CO August 27, 2002
- 08/00 **Invited participant** at the *Crowding the Rim* Symposium held at Stanford University, Palo Alto, CA
- 7/16/00-8/05/00 **Invited Lecturer** at University for Foreigners, National Group for Prevention of Hydro-Geological Disasters, Water Resources Research & Documentation Centre, Perugia, Italy, keynote speaker & teacher for 3

10/98-present	week class on warning process & Symposium to Commemorate the Closing of the International Decade of Natural Disaster Reduction <b>Consultant</b> to Learning Channel, History Channel, Discovery Channel, & National Geographic Production team developing flash flood documentary films
10/98-12/00	<b>Board Member</b> Assn. of State Floodplain Managers Regents for Certification of Floodplain Managers
10/98-6/2000	<b>Committee Member</b> , National Research Council, Computer Science & Technology Board Computing & Communications Research to Enable Better Use of Information Technology in Government, Washington, DC
6/98-10/98	<b>Elected member</b> of Nominating Committee for Assn. of American Geographers officers
10/97-8/98	<b>Member</b> Post Flood Disaster Team developing warning system specifications for Fort Collins, CO
12/97-12/02	<b>Member</b> of Editorial Board: <u>Jewish Social Work Forum</u>
10/95-10/96	<b>Organizer</b> of Symposium What We Have Learned Since the Big Thompson Flood, Twenty Years Later held in Fort Collins, CO July 10-13,1996. Sponsored by US Army Corps of Engineers, USGS & FEMA
1/93-present	<b>Invited instructor</b> for updating the training for National Weather Service personnel, Boulder, speaking about warnings & lessons from social science, Operational Meteorology Education & Training, Warning Decision making workshop
5/94,96	<b>Invited speaker</b> at the California ALERT users group, Asilomar, & Ventura, CA.
3/93,3/94	Invited lecturer to Engineering class at Colorado State University Ft. Collins, Experience with Flood Detection & Response Systems
3/94	<b>Invited representative</b> the Natural Hazards Research & Applications Information Center International Decade for Natural Hazard Mitigation Conference, Cartagena, Colombia
6/93-6/94	<b>Consultant</b> to City of Aurora on public education materials for flooding.
5/93	Interviewed by Weather Channel for documentary on technology & forecasting
3/93, 2/96	<b>Consultant</b> to the National Weather Service Post Disaster Team for flooding in Northeastern US, Harrisburg, Binghamton, Washington, DC & for March Superstorm, Philadelphia, New York, Washington & Boston
2/93	<b>Invited lecturer</b> in COMET program, Boulder, part of courses retraining program National Weather Service Meteorologists & Hydrologists
1/93	<b>Committee member</b> to work with state of Kentucky on flood hazard mitigation
11/1-11/15/92	Invited participant in the NATO Conference Coping with Floods in Erice, Italy.
9/92-present	<b>Member</b> University of Colorado advisory committee to the Natural Hazards Research & Applications Information Center
4/92-6/94	<b>Chair</b> Commission on the Status of Women in Geography Assn. of American Geographers
2/92	<b>Invited participant</b> at World Congress on Natural Hazard Mitigation, New Delhi, India
2/91	<b>Invited keynote speaker</b> at the Grand River Conservation Authority, Cambridge Ontario, Canada annual meeting
12/90	<b>Invited participant</b> at workshop to establish a Mesoscale Initiative Societal Aspects, National Center for Atmospheric Research, Boulder
6/90-6/91	<b>Program Chair</b> , Assn. of State Floodplain Managers Annual meeting.
11/90	<b>Invited participant</b> in research design team of the Local Weather Information Experiment, Environmental Research Laboratory, National Weather Service, Boulder
10/90-6/90	<b>Invited Member</b> of the Colorado Natural Hazards Mitigation Council. <b>Consultant</b> to the National Oceanic & Atmospheric Administration, Flood Disaster Survey Team, Oklahoma, Arkansas, Texas & Louisiana.
4/90	<b>Invited lecturer</b> at the University of Louisville, Graduate School of Urban Policy.
2/90	<b>Invited speaker</b> at seminar on flood/warning/preparedness systems sponsored by the Federal Interagency Floodplain Management Task Force, Washington, DC

1/90-2/92                   **Consultant** to P3 The Earth Based Magazine for Kids  
5/89-6/90                   Chair, Assn. of State Floodplain Managers Research Committee  
9/88-4/89                   **Conference Coordinator**, Urban Stream Corridor & Stormwater Management  
Colorado Springs, CO, March 14-16, 1989, sponsored by Environmental  
Protection Agency & The Assn. of State Floodplain Managers  
5/87-8/88                   **Project Supervisor** for the Construction, Engineering, Research Laboratory,  
Champaign, IL Household Leakage Survey at Fort Carson, CO  
12/87                       **Invited lecturer** on hazards research at Illinois Institute of Technology,  
Kent College of Law, Chicago, IL  
5/86-5/90                   **Committee Member** on the National Research Council Water Science &  
Technology Board, Committee on Glen Canyon Environmental Studies &  
preparation of Environmental Impact Statement  
5/86-                       **Committee Member** Research & Arid West Subcommittee of the Assn. of State  
Floodplain Managers  
3/86-6/89                   **Liaison** from Geographic Perspectives on Women Specialty Group to the  
International Geographical Union & the Institute of British Geographers.  
6/85-6/87                   **Chair**, Assn. of American Geographers Specialty Group, Geographic Perspectives  
on Women  
6/85-88                   **Member** of National Council on Geographic Education Standing Committee,  
Women in Geographic Education  
12/83-12/94               **Consulting Editor** for Journal of Environmental Education

## PRESENTATIONS

Social Science Lessons: What We Have Learned from Recent Floods & Warnings presented to  
Advanced Warnings Operations Course, August 5, 2004 Norman, OK

Lessons Learned from Slovenia – US Collaborative study on Landslides, Applied Geography,  
November 4, 2003 Colorado Springs, CO

Lessons from Social Science for Meteorologists” Fort Worth, TX National Weather Service Office  
October 24, 2003

Better Warnings for Short Fuse Weather Events at the National Hydrologic Warning Council  
Meeting, Dallas, TX, October 22-24, 2003

Perspectives of a Hazards Geographer Geography Department University of Padua, Italy May 29,  
2003.

Lessons for Meteorologists Istituto di Scienze dell'Atmosfera e del Clima, ISAC-CNR Bologna,  
Italy, March 28, 2003

Risk Perception Research for Hydrologic Risk Analysis Civil Engineering Program University of  
Florence, Italy April 11, 2003

Social Science & Flood Warnings Mesoscale Alpine Programme meeting Bad Tolz Germany  
October 24, 2002

Social Science & Flood Warnings National Weather Assn. & American Meteorological Society High  
Plains Conference Dodge City, KS, October 11, 2002

Flash Flood Mitigation, Recommendations for Research & Applications, University of Ljubljana,  
Slovenia, June 2002 (w. Burrell Montz)

Social Science of Floods, presented <http://meted.ucar.edu/qpf/socperfe/index.htm> available as  
webcast from COMET

Getting Tenure at a Smaller University presented at the Assn. of American Geographers meeting, New York City, February 2001

Social Aspects of Flash Flood Mitigation presented at National Weather Service National Flash Flood Conference 2000, Atlanta, May 10, 2000

Flash Flood Research Agenda- Following up on the NATO Advanced Study Institute Findings presented at European Geophysical Society Meeting, Nice, France, April 24-29, 2000 (w. B. Montz)

Problems & Prospects for GIS in Hazard Mitigation presented at Assn. of American Geographers meeting, Pittsburgh, April 2000 (w. M. Laituri)

Invited keynote presentation for American Meteorological Society annual meeting, Social Science & Warning Decisionmaking, Albuquerque, NM, January, 2000

Learning from Flood Detection Systems presented at Assn. of State Floodplain Managers meeting, Portland, OR, May 26, 1999

Alternative Uses of Real time Data presented at ALERT users group meeting San Diego, CA, May 12, 1999

Comments on the Hazard Geography Specialty Group chapter for the 2000 Geography in America volume, presented at Assn. of American Geographers meeting, Honolulu, March 1999

Invited presentation at Bureau of Reclamation, Denver The Warning Process & Alternative Uses of Real-Time Data in Resource Management February 23 & 24, 1999

Cooperative Program for Operational Meteorology, Education & Training, hydrometeorology class, Boulder, CO The Social Science of Warning Systems February 7, June 30, Oct 28, 1999

Systems for Volcano Hazard presented at international conference on Volcano Hazard Mitigation, University of Colima, Jalisco, Mexico, January 26-30, 1998

What We Know About Flood Warning Communication invited presentation at National Hydrologic Warning Council Meeting, St. Louis, October 1997

Flood Hazard Mitigation & the Internet presented at Applied Geography conference, Kansas City, October 1996

What We Have Learned Since the Big Thompson Flood: Twenty Years Later presented at Symposium What We Have Learned Since the Big Thompson Flood, Keynote address & wrap up speaker Fort Collins, CO, July 1996

Internet & Emergency Management presented at Assn. of American Geographers meeting, Charlotte, NC & Charleston SC, April 1995

Recommendations for Exploration of the Connections Between Mitigation & Litigation presented at Assn. of American Geographers meeting, Chicago, March 1995 (w. D. Pollack)

The Uses of Cyberspace Following the Northridge Earthquake presented at Assn. of American Geographers meetings, Chicago, March 1995

Forecasting & Foreseeability: The Intersection of Geography & Law presented at Assn. of American Geographers meeting, San Francisco, April 1994

Living with Disasters: A Cultural Context for Studying the Mitigation Efforts in the 1993 Midwestern Floods presented at Assn. of American Geographers meeting, San Francisco, April 1994

Contemporary Travel Writers Confront the Amazon: They Saw What They Came to See presented at Assn. of American Geographers meeting, 1993 & at Society for the Interdisciplinary Study of Social Imagery meeting, Colorado Springs

Warnings & Warning Response presented at NATO Conference Coping with Floods, Erice, Italy, November 1992 (w. D. Mileti)

Alternative Paths Through the Maze-Surviving your Dignity Intact presented at Assn. of American Geographers meeting, San Diego, CA

Invited presentation Flash Flood Hazard Mitigation in the US at World Federation of Engineers Congress on Natural Hazard Mitigation in New Delhi, India, January 1992

Feminism & Flood Control presented at Assn. of American Geographers meeting, Miami April 1991

Invited presentation What We Know about Flash Flood Warning Systems at Annual Conference of the Southwestern Assn. of ALERT Users, Denver, October 1990

A Summary of the State of the Art in Flash Flood Warning Systems in the United States presented at International Workshop on Prediction & Perception of Natural Hazards, Perugia, Italy, October 1990

Flash Flood Mitigation Success Stories presented at Assn. of State Floodplain Managers, Asheville, NC, June 1990

Flash Flood Mitigation: Where We Stand presented at Interagency Task Force on Warnings & Response in Washington, DC, February 1990

Natural Hazards Education in Geography presented at Colorado Geographic Alliance meeting, Colorado Springs, March 1990

Toward a Comprehensive Flash Flood Assessment in the United States presented at Southwest ALERT Users Group Meeting in Tulsa, OK, November 1989

The Flash Flood Project: Toward a Definition presented at Assn. of American Geographers meeting, Baltimore, MD, March 1989

Flash Flood Hazard Mitigation: Toward a Comprehensive Assessment presented at Environmental Perception Session of the International Geographical Union, Perth, Australia, August 1988

Not All Floods are Created Equal: Toward a Comprehensive Assessment of Flash Floods in the United States presented at Assn. of State Floodplain Managers, Nashville, TN, May 1988

Critiquing Glen Canyon Environmental Studies presented at Assn. of American Geographers meeting, Phoenix, Arizona, April 1988 & at Western Social Science Assn. meeting, Denver, CO, April 1988

The Terrorist Threat: Myth & Reality presented at Assn. of American Geographers meeting, Phoenix, AZ, April 1988 (w. M. Eichen)

Women's Role in Changing the Face of the Earth: A Report from the Geographic Perspectives on Women Specialty Group presented at Assn. of American Geographers meeting, Phoenix, AZ, April 1988

Recent Trends in Natural Hazards Mitigation session organized for the Western Social Science Assn. meeting, Denver, CO, April 1988

Assessing Program Effectiveness: A 1987 Report on Warning Response & the Adoption of Nonstructural Flood Mitigation Measures presented at Risk Communication & Response Workshop, Sponsored by the Flood Hazard Research Centre, London, England, October 1987

Flash Flood Warning Systems as a Mixed Blessing for Mitigation presented at Applied Geography Conference, Knoxville, TN, October 1987

Changes in Land Use in Drake, CO, Ten Years after the Big Thompson Flood presented at Assn. of American Geographers meeting in Portland, OR, April 1987 (w. C.Huber)

What We Have Learned Since the Big Thompson Flood presented at Applied Geography Conference, West Point, NY, October 1986

Post Disaster Mitigation Planning: Learning From the Big Thompson Experience presented at Symposium Housing & Urban Development After Flood Disasters: Mitigating Future Losses, sponsored by American Bar Assn., Miami, October 1985

Manitou Springs Flood Hazard Mitigation Plan presented at Emergency 85, Washington, DC., May 1985

Housewife as Hero, The Letters of Lila Thomas presented at Colorado Women's Studies Assn. Meeting, Colorado Springs, CO, May 1985

Urban Floodplain Occupancy Changes in the Past 26 Years, 17 Case Studies Revisited presented at Assn. of American Geographers meeting, April 1985 (w. B. Montz)

Mobile Homes in Hazardous Areas, The Elderly in Colorado Springs presented at Applied Geography Conference, Tallahassee, FL, November 1984

Warnings for Floods with Short Lead Times presented at conference Lessons for the United Kingdom sponsored by the Flood Hazard Research Center, Middlesex Polytechnic Institute, London, England, September 1984

Mobile Homes in Hazardous Areas: Comparing Flood Plain Occupancy in Colorado Springs & Unincorporated El Paso County CO, presented at Assn. of American Geographers meeting, Washington, DC, April 1984

Lessons from Applied Field Courses presented at National Council on Geographic Education meeting, Ocho Rios, Jamaica, October 1983

A Comparison of Recent Ice Jams & Adjustment Strategies in Two Northern Vermont Communities presented at Applied Geography Conference, Toronto, Canada, October 1983 (w. M.Ottum)

Ice Jams & Spring Runoff Flooding in Vermont presented at Assn. of American Geographers meeting, Denver, CO, April 1983

Opposition to Nonconventional Energy Production presented at Assn. of American Geographers meeting, Denver, CO, April 1983 (w. M.Eichen)

The Big Thompson Flood of 1976: How People Lived & How They Died Invited Speaker, presented at University of Massachusetts, October 1982

A Comparison of Expenditures for Structural & Nonstructural Flood Control Measures presented at Assn. of American Geographers meeting, San Antonio, TX, April 1982

Assessment of Research on Individual Behavioral Response to Warnings of Extreme Events presented at International Symposium on Real-Time Operation of Hydrosystems, Waterloo, Ontario, Canada, June 1981

#### **OTHER PROFESSIONAL EXPERIENCE**

03/01                   Invited proposal reviewer for the Center for Disaster Management & Humanitarian Assistance, Tampa FL

1986-present         Proposal reviewer for National Science Foundation programs

1984-present         Manuscript Reviewer for **Growth & Change, Environmental Management, Annals of the Assn. of American Geographers, The Professional Geographer, Environmental Hazards, Climatic Change, Weather & Forecasting, & the Bulletin of the American Meteorological Society**

9/85-6/86            Member, Zoning Board & Planning Commission, Bakersfield, Vermont

11/80, 3/81          Invited Participant, National Science Foundation short course at University of Utah; Risk Benefit Analysis.

4/78-6/78            Disaster Assistance Reservist. Training, April 10-13; Service, June 1-13 following Wyoming floods

#### **OTHER PUBLICATIONS**

Innovative Options for Reducing Ice Jam Damages in Proceedings of the Assn. of State Floodplain Managers Meeting, Special Publication Natural Hazards Research & Applications Information Center, Boulder, CO, 1992

Not All Floods Are Created Equal: Toward a Comprehensive Assessment of Flash Floods in the United States, Proceedings of the Conference of the Assn. of State Floodplain Managers, Special Publication #19, Natural Hazards Research & Applications Information Center, Boulder, CO, 1988, pp. 137-143 (w. C. Huber)

Flood Hazard in the United States: Toward a Definition, Proceedings of the 1988 Conference on Arid West Issues, 1989 (w. C. Huber)

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## BOOK REVIEWS

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of Bryant, E. **Natural Hazards** in **Professional Geographer** 1993

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of Monk, J. & V. Norwood, editors, **The Desert is No Lady, Southwestern Landscapes**, in **Women's Writing & Art**, in **Professional Geographer** August 1988, p. 361

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## TEACHING CURRICULUM (\* indicates upper division/graduate course)

Analysis of Environmental Systems\*

Land Use Planning

Environmental Planning\*

Humans & Environments

Introduction to Human Geography

Women's Place, Women's Space: Women's Role in Changing the Face of the Earth\*

Disasters & Society\*

Environmental Perception

Future World Perspectives\*

Images of Amazonia\*;

Tourism, Recreation & the Environment\*

## UNIVERSITY SERVICE

9/02-12/02	Chair, Tenure & Promotion Committee for John Harner
9/01/-12/01	Search Committee for new GES faculty member,
9/01-12/01	Tenure & Promotion Committee for Steve Jennings Dean's Review Committee for Christina Martinez Review Committee for Andrea Herrera
1998-2001	Chair, Geography & Environmental Studies, UCCS
19998-99	UCCS Disaster Planning Committee, Rosa Parks Scholarship selection
1999 spring	committee, Women in Geography scholarship selection committee Dean's Review Committee UCCS Library Judith Rice Jones & Rita Hugg
1998	Chair, Personnel Committee for John Harner, Steve Jennings
1998-1999	Women's studies & Women's Committees
1997, 1999	Chair & member, Search Committees for two geography faculty members
1994 –present	Member of Women's Studies/Women's Committee, UCCS campus
11/96	Wrote letter of Recommendation for promotion of Dan Shrubsole University of Western, Ontario, Canada, Tamar Mayer, Middlebury College
11/93, 11/95, 11/98	Personnel Committee for Mary Mack
11/94	Personnel Committee for Kee Warner
11/94	Personnel Committee for Edward Delaney
11/93-present	Member, Graduate Executive Committee, College of Letters, Art & Sciences
8/93-	Manager, Women in Geography fellowship program
2/93-5/93	Member, Search Committee for new geography faculty member
210/93-Present	Graduate Advisor for Master's of Basic Science, emphasis in geography
11/93	Personnel Committee for Louise Hose
10/92-5/93	Member, Planning Committee Global Change Symposium, systemwide
10/92-present	Member, Advisory Committee for the Natural Hazards Research & Applications Information Center, systemwide
1/91 - 1/93	Member, UCCS Faculty Senate Women's Committee
1/90 - 6/92	Member, EPUS committee campus wide
9/90- 11/90	Member, Search Committee for new geography faculty member
9/89 - 6/90	Member, UCCS Faculty Elections Committee
1/88 - 6/89	President Gee's Service Award Committee
9/81-present	Member, Board, Center for Community Development & Design
9/87-present	Member, UCCS Committee on Classified Research
9/86 - 6/87	Member, Review Committee for Judith-Rice-Jones
9/87-present	Member, Steering Committee for the Center for the Study of Sport & Leisure
9/86 - 12/95	Planning Committee for MA in American Studies
9/86 - 5/87	EPUS Committee, university-wide
9/86 - 5/87	CCHE Communications Committee
11/84 - 5/87	UCCS Master Planning Committee