

Curriculum Vitae **EVE GRUNTFEST** <http://www.EveGruntfest.com> April 2016

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ACADEMIC TRAINING

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

ACADEMIC WORK EXPERIENCE

- 02/16- **Professional Research Associate** Resilient Communities Research Institute Cal Poly, San Luis Obispo, CA
- 10/12-10/13 **Program Director** Geosciences Directorate, Atmospheric & Geospace Sciences, Nation Science Foundation, Arlington, VA
- 5/11- **Director** Social Science Woven into Meteorology, Trauma, Health & Hazards Center, U of Colorado Colorado Springs, CO
- 5/08-5/11 **Director** Social Science Woven into Meteorology (SSWIM) Cooperative Institute for Mesoscale Meteorological Studies (CIMMS) & the U of Oklahoma at National Weather Center Norman, OK
- 12/08- **Adjunct Faculty** Department of Geography & Environmental Sustainability, U of Oklahoma Norman, OK
- 2/10-7/10 **Visiting Scientist** Laboratoire d'étude des Transferts en Hydrologie et Environnement & Geography Department Joseph Fourier U Grenoble, France
- 9/09-9/10 **Co-Director** International Flash Flood Laboratory, Texas State U San Marcos, TX
- 12/07- **Professor Emeritus** Geography & Environmental Studies, U of Colorado at Colorado Springs, CO
- 6/00-12/07 **Professor** Geography & Environmental Studies, U of Colorado at Colorado Springs, CO
- 6/05-9/06 **Visiting Scientist** National Center for Atmospheric Research Boulder, CO
- 3/03-6/03 **Distinguished Chair of Geography** U of Trieste, Italy, Fulbright scholarship
- 8/98 - 6/99 **Department Chair** Geography & Environmental Studies, U of Colorado at Colorado Springs, CO & 1/95-9/97
- 10/99-6/00 **Senior Fellow** Cooperative Institute for Research in the Atmosphere, Colorado State U Fort Collins, CO & 10/97-8/98
- 6/88-5/99 **Associate Professor** Geography & Environmental Studies, University of Colorado at Colorado Springs, CO
- 9/80-5/88 **Assistant Professor** Geography & Environmental Studies, University of Colorado at Colorado Springs, CO
- 9/79-5/80 **Visiting Instructor** Geography, University of Vermont, Burlington, VT

REFEREED PUBLICATIONS, BOOK & BOOK CHAPTERS

Trumbo, C, L Peek, M Meyer, H Marlatt, **E Gruntfest**, B McNoldy & W Schubert (2016) A Cognitive-Affective Scale for Hurricane Risk Perception **Risk Analysis** DOI: 10.1111/risa.12575

League, C & **E Gruntfest** What Were They Thinking? Using YouTube to Observe Driver Behavior on Flooded Roads submitted to **Weather, Climate & Society**

Spinney, J & **E Gruntfest** The Hazard Services Project: Working Toward a Shared Sense of Time for Stakeholders in the US Weather Enterprise being revised for the **Bulletin of the American Meteorological Society**

Weather & Society: Toward Integrated Approaches textbook to be published by Wiley Blackwell 2016

Ruin, I, C Lutoff, B Boudevillain, J-D Creutin, S Anquetin, M Bertran Rojo, L Boissier, L Bonnifait, L, M Borga, L Colbeau-Justin, L Creton-Cazanave, G Delrieu, J Douvinet, E Gaume, **E Gruntfest**, J-P Naulin, O Payrastre & O Vannier 2014 Social & hydrological responses to extreme precipitations: An interdisciplinary strategy for post-flood investigation **Weather, Climate & Society** 6 1 135-153 doi: <http://dx.doi.org/10.1175/WCAS-D-13-00009>

Ruin, I, C Lutoff, L Creton Cazanave, S Anquetin, M Borga, S Chardonnel, J-D Creutin, JJ Gourley, **E Gruntfest**, S Nobert & J Thielen 2012 A space-time framework for integrated studies - summer school about water & society **Bulletin of the American Meteorological Society** 93(10) 89-91

- Creutin J-D, M Borga, **E Grunfest**, C Lutoff, D Zoccatelli & I Ruin 2012 A space & time framework for analyzing human anticipation of flash floods **Journal of Hydrology** <http://dx.doi.org/10.1016/j.jhydrol.2013.11.009>
- Schultz, D, **E Grunfest**, C Benight, M Hayden, S Drobot & L Barnes 2010 Decision making by Austin, Texas residents in hypothetical tornado scenarios **Weather, Climate & Society** 2(3) 247–252
- League, C, W Diaz, B Philips, E Bass, **E Grunfest**, K Kloesel & A Gessner 2010 Emergency manager decision-making & tornado warning communication **Meteorological Applications** 17 163–172
- Grunfest, E**, I Ruin & C League 2009 Learning from flash floods: Driver behavior in high water conditions **Colorado Water - Newsletter of the Colorado Water Center of Colorado State U** 26(4) 8-9
- Grunfest, E** 2009 Editorial **Journal of Flood Risk Management** 2(2) 83-84
- Kuhlman, K, **E Grunfest**, G Stumpf & K Scharfenberg 2009 Beyond storm-based warnings: An Advanced WAS * IS workshop to study communication of probabilistic hazardous weather information American Meteorological Society - ams.confex.com/ams/pdfpapers/150887.pdf
- Grunfest, E**, P Showalter & I Ruin 2008 Flash flood research—past, present & future **Natural Hazards Observer** September 11-12
- Ruin, I, J-D Creutin, S Anquetin, **E Grunfest** & C Lutoff 2008 Human vulnerability to flash floods: addressing physical exposure & behavioural questions **Flood Risk Management: Research & Practice** edited by P Samuels et al Routledge 1005-1112
- Demuth, J, **E Grunfest**, S Drobot, R Morss & J Lazo 2007 Weather & Society * Integrated Studies (WAS*IS): building a community for integrating meteorology & social science **Bulletin of the American Meteorological Society** 88(11) 1729-1737
- Barnes, L, D Schultz, **E Grunfest**, C Benight & M Hayden 2007 False alarms & close calls: a conceptual model of warning accuracy **Weather & Forecasting** 22 1140-1147
- Benight, C, **E Grunfest**, M Hayden & L Barnes 2007 Trauma & short fuse weather perceptions **Environmental Hazards** 7 220-226
- Drobot, S, C Benight & **E Grunfest** 2007 Risk factors for driving into flooded roads **Environmental Hazards** 7 117-134
- Hayden, M, S Drobot, **E Grunfest**, C Benight, S Radil & L Barnes 2007 Information sources for flash flood warnings in Denver, CO & Austin, TX **Environmental Hazards** 7 211-219
- Downton, M, R Morss, **E Grunfest**, O Wilhelmi & M Higgins 2005 Interactions between scientific uncertainty & flood management decisions: two case studies in Colorado **Environmental Hazards** 6 134-146
- Morss, R, O Wilhelmi, **E Grunfest** & M Downton 2005 Flood risk uncertainty & scientific information for decision-making: lessons from an interdisciplinary project **Bulletin of the American Meteorological Society** 86 11 1594-1601
- Montz, B & **E Grunfest** 2002 Flash flood mitigation: recommendations for research & applications in **Global Change Environmental Hazards** 4 1 March 15-22
- Grunfest, E** & J Handmer 2000 **Coping with Flash Floods** book & chapters Kluwer Academic Publishers, Dordrecht, 2001, edited collection based on the findings from the NATO Advanced Study Institute held in Ravello, Italy November 8-18, 1999
- Grunfest, E** & S Jennings 2003 Flooding in **Handbook of Weather, Climate & Water** edited by T Potter & B Colman (eds) Wiley Interscience 691-705
- Weaver, J, **E Grunfest** & G Levy 2000 Two Floods in Fort Collins, Colorado Learning From a Natural Disaster **Bulletin of the American Meteorological Society** May 2359-2366

- Gruntfest, E** 1999 Flash floods in the United States in **Storms** edited by R Pielke, Jr & R Pielke, Sr Routledge 192-207
- Gruntfest, E & A Ripps** 2000 Reducing loss susceptibility in flash floods in **Floods** edited by D Parker Routledge 377-390
- Gruntfest, E** 2000 Nonstructural mitigation of flood hazards in **Inland Flood Hazards: Human, Riparian & Aquatic Communities** edited by E Wohl Cambridge U Press 394-410
- Gruntfest, E** 1999 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
- Gruntfest, E & M Weber** 1998 The Internet as a tool: implications for emergency management & disaster mitigation in **International Journal of Mass Emergencies & Disasters** 161 55-72
- Gruntfest, E** 1997 **What We Have Learned Since the Big Thompson Flood: Twenty Years Later** (editor) published by Natural Hazards Research & Applications Information Center Boulder, CO Special Publication 33
- Gruntfest, E** 1994 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 295-299
- Gruntfest, E & D Pollack** 1994 Mitigation & litigation: lessons from the St Louis 1993 flood **Update Water Resources** April 40-44
- Gruntfest, E** 1994 Flood disaster relief, rehabilitation, & reconstruction in **Coping with Floods** edited by G Rossi, N Harmancioglu & V Yevjevich NATO ASI Series Kluwer Academic Publishers, Dordrecht 723-733
- Gruntfest, E** 1993 Summary of the state of the art in flash flood warning systems in the US **Prediction & Perception of Natural Hazards** edited by J Nemeč et al, Kluwer Academic Publishers, Dordrecht 119-124
- Gruntfest, E & C Huber** 1991 Toward a comprehensive national assessment of flash flooding in the United States **Episodes** March 26-35
- Gruntfest, E** 1990 Assessing programme effectiveness: A 1987 report on warning systems in the USA **Hazards & the Communication of Risk** edited by J Handmer & E Penning-Rowse, Gower Technical UK 195-203
- Gruntfest, E** 1989 Geographic perspectives on women: a status report **Geography in America** edited by G Gaile & C Wilmott, Merrill Publishing Company Columbus, OH 673-683
- Gruntfest, E & C Huber** 1989 Status report on flood warning systems in the United States in **Environmental Management** 13(3) 279-286
- Gruntfest, E** 1987 Warning dissemination & response with short lead times **Flood Hazard Management British & International Perspectives** edited by J Handmer, Geo Books UK 191-202
- Gruntfest, E** 1986 Pre-flood/post-flood mitigation planning: The Manitou Springs, Colorado case **International Journal of Mass Emergencies & Disasters** November
- Gruntfest, E & L Houser** 1986 The availability of flood insurance for mobile home dwellers in Colorado Springs, CO **Journal of Environmental Systems** November 179-187
- Montz, B & **E Gruntfest** 1986 Changes in American urban floodplain occupancy since 1958: the experience of nine cities **Applied Geography** October 325-338
- Gruntfest, E, T Huber & L Lapalme-Roy** 1984 Use of wood as fuel in North America: prospects & problems **Journal of Environmental Systems** 14(3) 321-331

Gruntfest, E & M Eichen 1984 Public opposition to large scale soft technology in Vermont: four case studies **Journal of Environmental Systems** 14(2) 137-146

Huber, T & **E Gruntfest** 1983 Flood & avalanche hazard in Colorado: political implications of the new federalism **Environmental Management** 7(6) November 505-510

Gruntfest, E 1982 Assessment of research on individual behavioral response to warnings of extreme events **Proceedings of the International Symposium on the Real Time Operation of Hydrosystems** Water Resources Publications 35-43

Gruntfest, E, T Downing & GF White 1978 Big Thompson flood exposes need for better flood reaction system to save lives **Civil Engineering** February 72-74

GRANTS & AWARDS

- 12/14 **Recipient** of the Gilbert White Service Honors Award from the Association of American Geographers
- 08/10-02/12 **Principal Investigator** Ethnography of Emergency Managers, Earth Systems Research Laboratory Global Systems Division Director's Discretionary Fund \$107,000
- 07/09-12/09 **Principal Investigator** Social Science Research Component, Earth Systems Research Laboratory Global Systems Division Director's Discretionary Fund- Integrated Hazard Information Services Stakeholder Survey & Workshop Boulder, CO \$50,000
- 5/10-12/11 **Principal Investigator** Social Science Research Component Earth Systems Research Laboratory Global Systems Division Director's Discretionary Fund Evaluating the Personal Weather Advisor \$20,000
- 8/10-8/12 **Principal Investigator** Social Science Research Components Warn on Forecast National Oceanic & Atmospheric Administration National Severe Storms Laboratory \$100,000
- 3/09-2/12 **Collaborator** Dynamics of Hurricane Risk Perception National Science Foundation \$40,000 (w C Trumbo & others)
- 1/09 **Recipient of Kenneth E Spengler Award** – American Meteorological Society
- 5/08-5/11 **Principal Investigator** Social Science Woven into Meteorology (SSWIM) National Weather Center NOAA Cooperative Institute for Mesoscale Meteorological Studies & U of Oklahoma \$600,000
- 12/08-8/12 **Principal Investigator** Support for the End User Integration Research Thrust to the Center for Collaborative Adaptive Sensing of the Atmosphere - CASA (a National Science Foundation Engineering Research Center) \$200,000
- 10/06-10/09 **Co-Principal Investigator** National Center for Atmospheric Research Development of Compendium of WAS*IS course materials for use by Atmospheric Science classes (w J Demuth & S Drobot) \$150,000
- 6/05-8/11 **Project Director WAS*IS (Weather & Society Integrated Studies)** National Center for Atmospheric Research, seven workshops in Boulder, CO, one workshop in Norman, OK, one workshop in Melbourne, Australia www.sip.ucar.edu/wasis
- 7/04-12/04 **Co-Principal Investigator** National Center for Atmospheric Research Learning from the 1993 Superstorm \$7,000
- 7/03-12/08 **Principal Investigator** National Science Foundation Toward Improved Understanding of Warnings for Short-Fuse Weather Events \$422,951 (w C Benight)
- 8/02 **Principal Investigator** Coping Self-efficacy & Evacuation from Wildfire Quick Response Grant: Natural Hazard Research & Applications Center Boulder, CO \$3,200 (w C Benight)
- 6/02-6/03 **Principal Investigator** National Research Council Collaboration in Basic Science & Engineering for collaboration between Slovenia & US for flash flood & landslide research \$8,700 (w B Montz & M Brilly)
- Principal Investigator** An Evaluation of the Boulder Flood Warning System, Urban Drainage & Flood Control District & Boulder County, CO \$40,000
- 3/01-12/01 **Principal Investigator** Learning From False Alarms, US Bureau of Reclamation, Denver, CO \$15,539
- 8/99-6/00 **Principal Investigator** Coping with Flash Floods proposal to hold an Advanced Study Institute Ravello, Italy November 7-18, 1999 NATO \$65,000
- 7/98 **Principal Investigator** Alternative Uses of ALERT Data US Bureau of Reclamation \$6,000
- 8/98-10/98 **Co-Principal Investigator** Course Support for Humans & Environments Class Global Change Program U of Colorado \$7,500 (w K Warner)
- 6/95-6/96 **Principal Investigator** Learning from the 1993 Midwestern Floods Quick Response Proposal Natural Hazards Research & Applications Information Center Boulder, CO \$2,500
- 7/93 **Selected Participant** National Endowment for the Humanities Summer Course Images of Amazonia U of California, Berkeley, CA \$4,000
- 6/92-8/92 **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 Boulder, CO \$1,000
- 6/92-1/93 **Principal Investigator** Weather Service Modernization: A Boulder Experiment, NOAA & Environmental Research Laboratory, Boulder, CO \$25,000
- 4/92-4/93 **Principal Investigator** Flash Flood Hazard Mitigation: Comprehensive Assessment, National Science Foundation \$124,896
- 2/88-1/92 **Principal Investigator** Flash Flood/Dam Failure Warning System Survey, US Bureau of Reclamation, Interagency Personnel Agreement Denver, CO \$10,000
- 6/87-10/87 **Principal Investigator** Household Leakage Survey at Fort Carson USA Construction Engineering Research Laboratory Colorado Springs, CO \$34,733
- 5/87-8/87 **Principal Investigator** What We Have Learned Since the Big Thompson Flood, Symposium July 17-19, 1986, National Science Foundation, National Oceanic & Atmospheric Administration Environmental Research Laboratory & US Army Corps of Engineers \$45,000
- 1/86-12/86 **Principal Investigator** Comprehensive Assessment of Flash Floods in the US, National Science Foundation \$125,000
- 3/86-2/90 **Principal Investigator** Flash Flood Hazard Mitigation, Quick Response Research, Ventura California February 1992 to study warning system, Natural Hazards Research & Applications Information Center Boulder, CO \$2,300
- 1988-1992 **Selected Participant** National Endowment for the Humanities Summer Course, Perception of Landscape in Art & Literature, City U of New York, NY, NY \$3,000
- 5/85 **Principal Investigator** Flood Hazard Mitigation Planning for Manitou Springs, CO, Federal Emergency Management Agency, Published Report & Slide/Tape Presentation \$25,000
- 1/85-7/85 **Co-Principal Investigator** Assessment of Environmental Hazards in Colorado Springs, CO Department of Local Affairs, (w T Huber) \$1,500
- 11/84-6/85 **Recipient** Travel Grants from the National Research Council to attend the International Geographical Union (IGU) meeting in Paris 1984, \$700 & the IGU meeting in Australia \$1,000
- 6/84-8/88 **Co-Principal Investigator** Courting Disaster, Elderly in Mobile Home Parks in Hazardous Areas (w R Larkin) \$750
- 7/84 **Co-Principal Investigator** Ice Jams in Vermont Quick Response Research, Natural Hazards Research & Applications Information Center & U of Colorado Institute of Behavioral Science, Boulder, CO (w M Ottum) \$1,300
- 1/84 **Principal Investigator** Changes in Flood Plain Land Use in American Cities Since 1958, UCCS Research & Creative Works Awards Committee \$3,180
- 6/82-12/82 **Co-Principal Investigator** Mobile Homes & Energy Conservation, Energy Research Institute, Golden, CO (w R Czerniak) \$3,500
- 5/81-12/81

SPONSORED RESEARCH PUBLICATIONS, ABSTRACTS & REPORTS

Marlatt, H, CW Trumbo, L Peek, M Lueck, E Gruntfest, BD McNoldy & WH Schubert 2011 Dynamics of hurricane risk perception Preprints, American Meteorological Society Seattle, WA

Trumbo, CW, L Peek, BD McNoldy, WH Schubert, E Gruntfest, H Marlatt & M Lueck 2011 Dynamics of hurricane risk perception Preprints, Engineering Research & Innovation Conference, Atlanta, GA National Science Foundation

Trumbo, CW, H Marlatt, L Peek, M Lueck, BD McNoldy, WH Schubert, E Gruntfest & J Demuth 2010 Changes in risk perception for hurricane evacuation among gulf coast residents 2006-2008 Preprints Society for Risk Analysis Annual Meeting Salt Lake City, UT

Observing Weather & Climate From the Ground Up A Nationwide Network of Networks 2008 National Research Council, Board on Atmospheric Sciences & Climate (w others)

The Warning Project: Toward Improved Understanding of Warnings for Short-Fuse Weather Events *Weather & Society Watch Newsletter* <http://www.sip.ucar.edu/news/highlights1/jsp> Fall 2006

What We Have Learned Since the Big Thompson Flood *Fort Collins Coloradoan* newspaper editorial July 31, 2006

Flash Flood Forecasting over Complex Terrain With an Assessment of the Sulphur Mountain NEXRAD in Southern California 2005 National Research Council, Board on Atmospheric Sciences & Climate (w others)

Evaluation of National Weather Service Flood Severity Categories & Use of Gage Station Flood History Information Report 2004 prepared for National Oceanic & Atmospheric Administration/National Weather Service, Office of Hydrologic Development (w D Ford & K Carsell)

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

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

Beyond Flood Detection Alternative Applications of Real-Time Data 1998 US Bureau of Reclamation (w P Waterinckx)

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

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

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

Proceedings of the Multi-Objective Stream Corridor Management Conference (editor & contributor) 1999 published by the Assn of State Floodplain Managers

Flash Flood/Dam Failure Warning System Survey 1987 prepared for the US Bureau of Reclamation

What We Have Learned Since the Big Thompson Flood 1986 Editor & Contributor, Special Publication 16 Natural Hazards Research & Applications Information Center, U of Colorado, Boulder, CO

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

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

What People Did During the Big Thompson Flood 1977 Working Paper 32 Institute of Behavioral Science, U of Colorado, Boulder, CO

PROFESSIONAL SERVICE

- 01/6/2015 **Panelist** Ten Years of the WAS*IS Movement: How the first decade's culture change will shape action in the next decade American Meteorological Society Phoenix, AZ
- 12/19/2014 **Invited talk** Flash flooding: Ways that science & adaptation reduce losses American Geophysical Union San Francisco, CA
- 8/18/2014 **Invited keynote speaker** World Weather Open Science Congress How Social Sciences are & are not being woven into meteorological science Montreal, Quebec, Canada <https://vimeo.com/107055608>
- 8/2014 **Invited talk** Theory to practice – Translating emergency management research Emergency Management Ph.D. class Jacksonville State U Jacksonville, AL
- 10/11-6/12 **Committee member** National Research Council Committee on the Assessment on the National Weather Service's Modernization Program Board on Atmospheric Science & Climate

- 12/11 **Invited speaker** PhD Hydrology Seminar U of Texas San Antonio
- 9/11 **Co-presenter** What Makes Our Partners Tick? An Ethnography of Emergency Managers: Bringing New Perspectives to the Forecast Software Development Process Integrated Hazards Information Systems Meeting NOAA Boulder, CO September 27 (w J Spinney)
- 9/11 **Invited speaker** What motivates & hinders public response: Research & experience National Weather Service Integrated Warning Team meeting Indianapolis, IN September 8
- 5/11 **Invited speaker** Water & Society A Space-Time Framework for Integrated Studies Summer School May 8-13 Les Houches, France
- 4/11 **Invited speaker** Weather, Society & Emergency Management: Moving from what WAS to what IS National Hurricane Conference Atlanta, GA April 18
- 4/11 **Invited keynote speaker** Integrating Social Science into Meteorology & Hydrology & What We Know About How People Behave in Floods Severe Storms Conference, U of Incarnate Word San Antonio, TX April 2
- 1/11 **Presenter** Weaving Social Science into Atmospheric Science: Progress & Challenges American Meteorological Society Seattle, WA January 25 link to recording: <http://ams.confex.com/ams/91Annual/flvgateway.cgi/id/17828?recordingid=17828>
- 1/11 **Presenter** Evaluation of the Personal Weather Advisor Tool, Environmental Systems Research Laboratory, NOAA Boulder, CO January 17
- 8/10 **Invited keynote speaker** National Weather Service Integrated Warning Team meeting Cedar Rapids, IA
- 9/10 **Invited lecturer** Progress in Weaving Social Science into Meteorology Advanced Warning Operations Course National Weather Service Warning Decision Training Branch <http://www.wdtb.noaa.gov/courses/awoc/ICore4/Lesson4/player.html>
- 5/10-5/13 **Member** Science Advisory Board National Oceanic & Atmospheric Administration (NOAA)
- 5/05 – 8/11 **Inventor & co-leader** Weather & Society * Integrated Studies Movement WAS * IS
- 11/09 **Invited visiting scientist** Environmental Center U of North Florida Jacksonville, FL
- 10/09 **Invited keynote speaker** International Flash Flood Laboratory Texas State U San Marcos, TX
- 8/09 **Invited speaker** Water & Society Integrated Studies workshop Kansas City, MO August 25
- 3/09-3/12 **Elected member** Commission Steering Committee of the Commission on the Weather Climate Enterprise American Meteorological Society
- 12/09 - **Associate editor** *Weather, Climate & Society*
- 12/08-9/10 **Associate editor** *Journal of Flood Hazard Risk Mitigation*
- 05/09 **Invited speaker** Integrating Social Science into Meteorology: Progress in Moving from WAS to IS With Evidence From Remarkable WAS * IS Voyages into a New World - NOAA ESRL-NCAR Seminar Series Webinar Boulder, CO
- 01/09 **Invited speaker & organizer** Integrated Warning Team workshop National Weather Service Kansas City, MO January 21-23
- 01/08 **Invited speaker** New Initiatives That Integrate Social Science & Policy Into Weather & Climate Work - International Sessions American Meteorological Society sponsored by National Weather Service, Phoenix, AZ January 9
- 10/08 **Invited keynote speaker** New Initiatives That Integrate Social Science Into Meteorology - Southern New England Weather Conference, Dedham, MA October 25
- 10/08 **Invited speaker** National Weather Service Great Divide Workshop, Billings, MT
- 09/15-17/08 **Organizer, speaker & convener** Advanced WAS * IS workshop with Hazardous Weather Testbed Norman, OK
- 09/2008 **Invited speaker** National Weather Service High Plains Conference Hayes, KS September 4
- 11/07 **Invited lecturer** Weather & Society Integrated Studies, Geography Department U of North Carolina Charlotte, NC November 16
- 11/07 **Invited lecturer** Weather & Society Integrated Studies, Geography Department, U of South Carolina, Columbia, SC November 15
- 11/07 **Invited lecturer** Weather & Society Integrated Studies, Civil Engineering Dept, U of Texas San Antonio, TX November 2
- 06/07 **Invited lecturer** Integrating social science into meteorology, American Meteorological Society Weather, Analysis & Forecasting Conference Park City, UT June 25
- 06/07 **Invited presenter** at the National Hydrologic Warning Council meeting, Savannah, GA June 12, 13
- 05/07 **Invited lecturer** Civil Engineering/Hydrology Department U of Florence, Italy
- 04/07 **Invited lecturer** Laboratoire Territoires-UMR Pacte Hydrology Grenoble, France
- 02/07 **Invited lecturer** Skywarn Training National Weather Service, San Antonio, TX February 24
- 02/07 **Invited lecturer** Advanced Studies Program, National Center for Atmospheric Research, Boulder, CO February 21

11/07 **Invited lecturer** Changing the Culture of Meteorology to Embrace Societal Impacts - Moving from WAS to IS at The Weather Channel, Atlanta, GA November 13

10/06 -10/09 **Elected member** President's Advisory Council for University Relations University Corporation for Atmospheric Research

10/06-1/10 **Chair of Board on Societal Impacts** American Meteorological Society

10/06- 6/08 **Committee member** National Research Council, Board on Atmospheric Science & Climate, Developing Multipurpose Mesoscale Meteorological Observations to Meet Multiple National Needs

12/06 **Invited lecturer** THORPEX Landshut Germany, Integrating Social Science to Improve the Effectiveness of Forecasting & the Benefits of Research – Implementing the Change in Meteorology & in Meteorologists December 7

10/06 **Invited presenter** Changing the Culture of Meteorology to Embrace Societal Impacts – Moving from WAS to IS, Great Divide Workshop, National Weather Service Billings, MT

06/06 **Invited reviewer** of South Australia warning system Adelaide, Australia

06/06 **Invited lecturer** Flash Flood summer school in Montpezat, Provence France June 15-20

01/06 **Interviewed expert** Atlas Media Weather Channel program *It Could Happen Tomorrow* flash flood episode

06/05-6/08 **Board member** Societal Impacts Program, National Center for Atmospheric Research, Boulder

7/05 **Moderator** invitational Natural Hazards meeting Boulder, CO sponsored by the Natural Hazards Research & Applications Information Center July 11 session on communication

07/05 **Invited participant** Citizen Information Needs in Crisis, National Academy of Sciences National Research Council, Computer Science & Technology Board Washington, DC

05/05 **Invited participant** US Weather Research Program workshop to consider International Hydrometeorological Testbed Washington, DC

4/05 **Invited presidential lecturer** Department of Geography, U of Oklahoma, a series of 3 lectures to classes & the public Risky Business: Innovations in Natural Hazards Public Education Based on Research & Practice Norman, OK

02/05 **Invited participant** Hurricane workshop Developing the Social Science Agenda Pomona, CA

4/05 **Keynote speaker** Improving Short-fuse warnings for flash floods: a Denver case study Idaho Emergency Managers & National Weather Service meeting Pocatello, ID

2/04 **Invited speaker** U of Arizona Geography Department February 4 Tucson, AZ

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** on 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 Advisory Board to review Cooperative Institute for Mesoscale Meteorological Studies Norman OK

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** Invitational Natural Hazards meeting Boulder, CO sponsored by the Natural Hazards Research & Applications Information Center July 16 for session Leveraging New Media to Raise Public Awareness About

4/03 **Reviewer** for THORPEX as part of World Weather Research Program

3/03 & 9/03 **Interviewee** Floodsafety.com-on camera interview for flash flood documentary, Austin, TX February & the *Washington Post*, September 18, pp 1,7 regarding expected flooding for Washington, DC as part of Hurricane Isabel

2/03 **Organizer & Chair** American Meteorological Society paper sessions on hydrology & meteorology February 12 meeting in Long Beach, CA

2/02, 6/04 **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, CO Workshop March 4

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 presenter** Flash Flood Workshop, Social Science & Warnings National Weather Service Boulder, CO August 27

08/00
7/16/00-8/05/00 **Invited participant** at the Crowding the Rim Symposium held at Stanford U, Palo Alto, CA
Invited lecturer at U for Foreigners, National Group for Prevention of Hydro-Geological Disasters, Water Resources Research & Documentation Centre, Perugia, Italy & **keynote speaker & teacher** for 3-week class on warning process & Symposium to Commemorate the Closing of the International Decade of Natural Disaster Reduction

10/98-present **Consultant** to Learning Channel, History Channel, Discovery Channel & National Geographic Production team developing flash flood documentary films

10/98-12/00 **Board member** Assn of State Floodplain Managers Regents for Certification of Floodplain Managers

10/98-6/2000 **Committee member** 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 **Elected member** Nominating Committee for Assn of American Geographers officers

10/97-8/98 **Member** Post Flood Disaster Team developing warning system specifications for Fort Collins, CO

12/97-present **Member** of Editorial Board: *Jewish Social Work Forum*

10/95-10/96 **Organizer** of Symposium What We Have Learned Since the Big Thompson Flood, Twenty Years Later in Fort Collins, CO July 10-13 Sponsored by US Army Corps of Engineers, USGS & FEMA

1/93-present **Invited instructor** 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
3/93, 3/94 **Invited speaker** at the California ALERT users group, Asilomar & Ventura CA
Invited lecturer to Engineering class Experience with Flood Detection & Response Systems at Colorado State U Ft Collins, CO

3/94 **Invited representative** Natural Hazards Research & Applications Information Center International Decade for Natural Hazard Mitigation Conference Cartagena, Colombia

6/93-6/94 **Consultant** City of Aurora, CO on public education materials for flooding

5/93 Interviewed by Weather Channel for documentary on technology & forecasting

3/93, 2/96 **Consultant** the National Weather Service Post Disaster Survey Assessment Team for flooding in Northeastern US, Harrisburg, Binghamton, Washington, DC & for March Superstorm, Philadelphia, New York, Washington & Boston

2/93 **Invited lecturer** COMET program, Boulder, part of courses retraining program National Weather Service Meteorologists & Hydrologists

1/93 **Committee member** work with state of Kentucky on flood hazard mitigation Lexington, KY

11/1-11/15/92 **Invited participant** in the NATO Conference: Coping with Floods in Erice, Italy

9/92-10/06 **Member** U of Colorado advisory committee to the Natural Hazards Research & Applications Information Center

4/92-6/94 **Chair** Commission on the Status of Women in Geography Assn of American Geographers

2/92 **Invited participant** World Congress on Natural Hazard Mitigation, New Delhi, India

2/91 **Invited keynote speaker** Grand River Conservation Authority, Cambridge Ontario, Canada annual meeting

12/90 **Invited participant** workshop to establish a Mesoscale Initiative Societal Aspects, National Center for Atmospheric Research Boulder

6/90-6/91 **Program chair** Assn of State Floodplain Managers Annual meeting in Denver, CO

11/90 **Invited participant** research design team of the Local Weather Information Experiment, Environmental Research Laboratory, National Weather Service, Boulder, CO

10/90-10/96 **Invited member** Colorado Natural Hazards Mitigation Council

6/90 **Consultant** National Oceanic & Atmospheric Administration, Flood Disaster Survey Team, Oklahoma, Arkansas, Texas & Louisiana

4/90 **Invited lecturer** U of Louisville, Graduate School of Urban Policy Louisville, KY

2/90 **Invited speaker** seminar on flood/warning/preparedness systems sponsored by the Federal Interagency Floodplain Management Task Force Washington, DC

1/90-2/92 **Consultant** 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 sponsored by Environmental Protection Agency & Assn of State Floodplain Managers
 5/87-8/88 **Project supervisor** Construction, Engineering, Research Laboratory, Champaign, IL Household Leakage Survey at Fort Carson, CO
 12/87 **Invited lecturer** hazards research at Illinois Institute of Technology, Kent College of Law Chicago, IL
 5/86-5/90 **Committee member** 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** 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** National Council on Geographic Education Standing Committee, Women in Geographic Education
 12/83-12/94 **Consulting editor** *Journal of Environmental Education*

OTHER PRESENTATIONS

Session chair Weather & Society Integrated Studies session Assn of American Geographers meeting Chicago, IL April 24, 2015
Invited presenter Town Hall Moving forward together & Advice for students student conference American Meteorological Society Austin, TX January 6,7, 2013
Session chair Listening to Emergency Managers: Lessons from Tornado & Snowstorm Warning Events Assn of American Geographers meeting New York, NY February 28, 2012
Invited presenter Learning from Gilbert White - Commemorating his 100th Birthday, Assn of American Geographers meeting Seattle, WA April 15, 2011
Invited presenter The Report from the Warning Project – National Hydrologic Warning Council Savannah, GA June 12, 2007
Presenter Weather & Society Integrated Studies: New Culture Change Initiative – Assn of American Geographers meeting San Francisco, CA April 17, 2007
Invited speaker Lessons from WAS*IS Weather & Society * Integrated Studies & Other Things Curiosity Unlimited Colorado Springs, CO November 10, 2006
Invited speaker To Be Mentored by Gilbert White & Findings From the Warning Project - Southwest Assn of American Geographers Meeting Norman, OK October 28, 2006
Three invited talks Risky Business: Lessons from Flash Flood Research in Austin Hill Country conference on Urbanization & the Flash Flood Threat San Antonio, New Braunfels & Austin, TX April 7, 8, 2006
Invited presenter Fulbright experiences in Trieste, Italy & New results of short-fuse weather warning surveys in Austin, TX & Denver, CO Session organizer & chair, Assn of American Geographers Chicago, IL March 8, 2006
Invited banquet speaker & Invited presenter Changing from what WAS to what IS– Big Questions for Meteorologists & Social Scientists Oklahoma Emergency Managers Assn & the Central Oklahoma Chapter of the American Meteorological Society & National Weather Assn & the National Severe Storms Laboratory on The Warning Project, Norman, OK March 2,3, 2006 (w D Schultz & L Barnes)
Invited panelist American Meteorological Society session on Severe Convective Storms February 1, 2006 Risky Business: Some Lessons & Questions for Research & Practice, The International Symposium on Urban Disaster Risk Reduction & Regeneration Planning: Integrating Practice Policy & Theory California Polytechnic U San Luis Obispo, CA November 4, 2005

Presenter Improving Short-fuse Warnings for Flash Floods: a Denver Case Study, Assn of American Geographers Denver, CO April 2005

Invited presenter National Research Council committee meeting on Uncertainty National Academy of Science Boulder November 5, 2005

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

Presenter Lessons Learned from Slovenia – US Collaborative Study on Landslides - Applied Geography Conference Colorado Springs, CO November 4, 2003

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

Invited presenter Better Warnings for Short Fuse Weather Events at the National Hydrologic Warning Council Meeting Dallas, TX October 2003

Invited presenter Perspectives of a Hazards Geographer Geography Department U of Padua, Italy May 2003

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

Invited presenter Risk Perception Research for Hydrologic Risk Analysis Civil Engineering Program U of Florence, Italy April 2003

Invited presenter Social Science & Flood Warnings Mesoscale Alpine Programme meeting Bad Tolz Germany October 2002

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

Invited presenter Flash Flood Mitigation, Recommendations for Research & Applications, U of Ljubljana, Slovenia June 2002

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

Presenter Getting Tenure at a Smaller U - Assn of American Geographers meeting, New York, NY February 2001

Invited presenter Social Aspects of Flash Flood Mitigation - National Weather Service National Flash Flood Conference Atlanta, GA May 2000

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

Presenter Problems & Prospects for GIS in Hazard Mitigation - Assn of American Geographers meeting Pittsburgh April 2000 (w M Laituri)

Invited keynote presenter for American Meteorological Society annual meeting Social Science & Warning Decision-making, Albuquerque, NM January 2000

Presenter Learning from Flood Detection Systems - Assn of State Floodplain Managers meeting Portland, OR May 1999

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

Presenter Comments on the Hazard Geography Specialty Group chapter for the 2000 *Geography in America*, Assn of American Geographers meeting Honolulu March 1999

Invited presenter Bureau of Reclamation, Denver, CO The Warning Process & Alternative Uses of Real-Time Data in Resource Management February 1999

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

Presenter Systems for Volcano Hazard - international conference on Volcano Hazard Mitigation, U of Colima, Jalisco, Mexico January 1998

Invited Presenter What We Know About Flood Warning Communication - National Hydrologic Warning Council Meeting, St Louis, MO October 1997

Presenter Flood Hazard Mitigation & the Internet - Applied Geography conference, Kansas City, MO October 1996

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

Presenter Internet & Emergency Management - Assn of American Geographers meeting, Charlotte, NC & Charleston SC April 1995

Presenter Recommendations for Exploration of the Connections Between Mitigation & Litigation - Assn of American Geographers meeting Chicago, IL March 1995 (w D Pollack)

Presenter The Uses of Cyberspace Following the Northridge Earthquake - Assn of American Geographers meeting Chicago, IL March 1995

Presenter Forecasting & Foreseeability: The Intersection of Geography & Law - Assn of American Geographers meeting San Francisco, CA April 1994

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

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

Invited Presenter Warnings & Warning Response - NATO Advanced Studies Institute Coping with Floods, Erice, Italy November 1992 (w D Mileti)

Presenter Alternative Paths Through the Maze-Surviving your Dignity Intact - Assn of American Geographers meeting 1992 San Diego, CA

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

Presenter Feminism & Flood Control - Assn of American Geographers meeting Miami April 1991

Invited presenter What We Know about Flash Flood Warning Systems - Southwestern Assn of ALERT Users Denver, CO October 1990

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

Presenter Flash Flood Mitigation Success Stories - Assn of State Floodplain Managers Asheville, NC June 1990

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

Invited presenter Natural Hazards Education in Geography - Colorado Geographic Alliance meeting, Colorado Springs, CO March 1990

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

Presenter The Flash Flood Project: Toward a Definition - Assn of American Geographers meeting Baltimore, MD March 1989

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

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

Presenter Critiquing Glen Canyon Environmental Studies - Assn of American Geographers meeting, Phoenix, AZ, April 1988 & at Western Social Science Assn meeting Denver, CO April 1988

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

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

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

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

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

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

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

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

Presenter Manitou Springs Flood Hazard Mitigation Plan - Emergency 85 Washington, DC May 1985

Presenter Housewife as Hero, The Letters of Lila Thomas - Colorado Women's Studies Assn Colorado Springs, CO May 1985

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

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

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

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

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

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

Presenter Ice Jams & Spring Runoff Flooding in Vermont - Assn of American Geographers meeting Denver, CO April 1983

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

Invited presenter The Big Thompson Flood of 1976: How People Lived & How They Died U of Massachusetts October 1982

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

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

OTHER PROFESSIONAL EXPERIENCE

05/07 **Invited presenter** Weather & Society * Integrated Studies - Culture Change for meteorologists Alumni Group, U of Colorado at Colorado Springs

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

1986-present **Proposal reviewer** for National Science Foundation

1984-present **Manuscript Reviewer** for *Polar Research, Weather, Climate & Society, 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, VT

11/80, 3/81 **Invited participant**, National Science Foundation short course at U 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 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)

River & Dam Management: A Review of the Bureau of Reclamation's Glen Canyon Environmental Studies National Academy Press, Washington, DC 1987 (w others as part of National Academy of Sciences National Research Council Water Science & Technology Board Committee)

Flood Hazard Mitigation-Strides Since the 1970's & Challenges for the 1990's *The Proceedings of the Rapid City Flash Flood Mitigation Symposium* 1987 173-179

The Levee Effect & Flash Flood Warning Systems *Realistic Approaches to Better Floodplain Management, Proceedings of the Eleventh Annual Conference of the Assn of State Floodplain Managers*, Natural Hazards Research & Applications Information Center 1987 195-200 (w J Handmer & HJ Owen)

Post Disaster Mitigation Planning: Learning From the Big Thompson Experience, *The Proceedings of the Symposium Housing & Urban Development After Flood Disasters: Mitigating Future Losses* 1985 American Bar Assn

Flood Hazard Mitigation for Small Western Towns Which Depend on Tourism: Answers to Frequently Raised Questions in Manitou Springs, CO, *Improving the Effectiveness of Floodplain Management in Arid & Semi-Arid Regions, Proceedings of a Western State High Risk Flood Areas Symposium*, Assn of State Floodplain Managers April 1987

The Role of Geographic Analysis in Public Policy *Transition* 10(1) Spring 1980 113-115

BOOK REVIEWS

- of Mathur, A & D da Cunha *Mississippi Floods: Designing a Shifting Landscape* in *Ethics, Place & Environment* 5 3 2002 293-294
- of Drabek, T *Disaster Evacuation Behavior Tourists & Other Transients* in *Spectra* 33(12) 133 of Bryant, E *Natural Hazards in Professional Geographer* 1993
- of Godschalk, D, D Brower, & T Beatley *Catastrophic Coastal Storms* in *Natural Hazards* 3 1990 205-206
- of Smith, D & J Handmer, editors *Flood Warning Systems in Australia* in *Natural Hazards* 1989
- of Monk, J & V Norwood, editors *The Desert is No Lady, Southwestern Landscapes in Women's Writing & Art* in *Professional Geographer* August 1988 361
- of Raitz, K, R Ulack, & T Leinbach *Appalachia a Regional Geography* in *Growth & Change* April 1986 71-72
- of Callies, D *Regulating Paradise: Land Use Controls in Hawaii* in *Journal of the American Planning Assn* Fall 1985
- of Sax, J *Mountains Without Handrails* in *Annals of Tourism Research* II 1984 529-531
- of Kusler, J *Regulation of Flood Hazard Areas to Reduce Flood Losses* in *The Environmental Professional* 5 1 1983
- of Frazier, K *The Violent Face of Nature* in *EOS Transactions of the American Geophysical Union* December 2, 1980

TEACHING CURRICULUM (* indicates upper division/graduate course)

Analysis of Environmental Systems* Disasters & Society*
Land Use Planning Environmental Perception
Environmental Planning* Future World Perspectives*
Humans & Environments Images of Amazonia*
Introduction to Human Geography Tourism, Recreation & the Environment*
Women's Place, Women's Space: Women's Role in Changing the Face of the Earth*