

IBS

INSTITUTE OF

BEHAVIORAL SCIENCE ›

UNIVERSITY OF COLORADO

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NEWSLETTER

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KUDOS

John O'Loughlin of the Political and Economic Change Program has been awarded a Faculty Fellowship for the 2004-05 academic year. Faculty Fellowships are highly competitive and provide a reassignment of University responsibilities so that the faculty member may pursue full-time research or creative work. The Dean of the Graduate School awards these fellowships based upon recommendations from the Council on Research and Creative Work.

Fred Pampel has been appointed Associate Vice Chancellor for Research of the Graduate School at the University of Colorado at Boulder. Pampel is a professor in the Department of Sociology and faculty research associate of the Population Processes Program. He brings a distinguished record of research and teaching to this position, having authored six books and approximately fifty articles and co-authored three books. Pampel has been the primary investigator on numerous grants and is currently supported by both the National Institutes of Health and the National Science Foundation to study patterns of cigarette use around the globe. Last year he received the Boulder Faculty Assembly Award for Research Excellence.

Rachel Silvey of the Population Processes Program received a grant to design and implement a service learning component for "Introduction to Human Geography." This grant, given by the CU-Boulder Service Learning Office, was one of twelve grants given to "encourage a wider and deeper use of the entire community as a classroom and to help engage students by linking personal experiences to disciplinary knowledge."

Entries by **Randall Kuhn, Jani Little, Scott Menard** and **Fred Pampel** were included in *The Sage Encyclopedia of Social Science Research Methods*. This publication is a three-volume comprehensive reference which includes 900 entries ranging from concise definitions to in-depth essays. University of Colorado authors were well-represented with 20 of the 900 entries. Of these, 14 were provided by IBS faculty and staff and are listed below in alphabetical order by entry.

- € "Exploratory Data Analysis" by Fred Pampel, Population Program
- € "Goodness of Fit Measures" by Jani S. Little, Center for Computing and Research Services (CCRS)
- € "Logarithms" by Jani S. Little, CCRS

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KUDOS

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- € “Logit” by Scott Menard, Problem Behavior Program
- € “Logit Models” by Scott Menard, Problem Behavior Program
- € “Longitudinal Research” by Scott Menard, Problem Behavior Program
- € “Nonlinearity” by Jani S. Little, CCRS
- € “Odds” by Scott Menard, Problem Behavior Program
- € “Period Effects” by Scott Menard, Problem Behavior Program
- € “Polytomous Variables” by Scott Menard, Problem Behavior Program
- € “Proportional Reduction of Error (PRE)” by Scott Menard, Problem Behavior Program
- € “Stable Population Model” by Randall Kuhn, Population Program
- € “Standard Error” by Jani S. Little, CCRS
- € “Standardized Regression Coefficient” by Scott Menard, Problem Behavior Program

PROGRAM ACTIVITIES

ENVIRONMENT AND BEHAVIOR PROGRAM

The Environment and Behavior Program is pleased to welcome visiting scholar **Edna Loehman** from Purdue University. Professor Loehman is part of the agricultural economics division at Purdue and is visiting for the spring semester and summer term. During her stay she will be working on local water issues, developing a new method of water pricing, and analyzing costs of water management districts. Contingent valuation (most recently applied to automobile safety), insurance and risk preferences, and experimental economics (cost sharing for public goods) are other areas of her research.

The Population-Environment Research Network, an internet-based network of scholars interested in population and environment relationships, has invited **Lori Hunter** to serve a four-year term on their Steering Committee.

Lee Alston lectured on “Empirical Research in Property Rights” and chaired a session at The Ronald Coase Institute’s Workshop on Institutional Analysis, December 6-11 in Sao Paulo, Brazil.

Hannah Brenkert and **Julie Gailus** (Natural Hazards Center) presented the paper “Integrated Research Paradigm: a Neorealist Model for Environmental Sociology” at the Symposium on Environment and the Treadmill of Production, October 31-November 1 at the University of Wisconsin, Madison.

In Print

Hunter, Lori M. “Population and Environment.” In *Syllabi and Instructional Material in Environmental Sociology, 5th Edition*, edited by Rik Scarce and Michael Mascarenhas. Washington, D.C.: American Sociological Association, 2003.

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IN FOCUS

Hazards, Disasters, and Risks



Kathleen Tierney, Director
Natural Hazards Center
Environment and Behavior Program

Kathleen Tierney joined the CU Boulder faculty in August 2003. She has a joint appointment as Director of the Natural Hazards Research and Applications Information Center and Professor in the Department of Sociology. Prior to her move to CU, she was Professor of Sociology and Director of the Disaster Research Center at the University of Delaware.

When I began studying the social and organizational aspects of disasters as a graduate student, I had no idea that I would be embarking on such an interesting and exciting career. Over the course of nearly three decades, I have had the opportunity to be involved in a number of fascinating studies addressing wide-ranging research questions in the areas of hazards, disasters, and risks. A considerable amount of my work has involved “quick response” research undertaken in the immediate aftermath of major disasters and has focused on the ways in which organizations and groups mobilize under crisis conditions. Some of the other questions my work has addressed include the following: How do disasters affect businesses, and what factors are associated with business recovery (and non-recovery) following disaster events? If scientists are some day able to issue real-time warnings for earthquakes, what behaviors would likely result on the part of the public? Could such warnings save lives and property? What factors influence household and private-sector preparedness for extreme events? What factors make organizations and communities resilient in the face of disasters?

Since shortly after September 11, 2001, I have been involved in research on individual, group, and organizational responses following the terrorist attack on the World Trade Center. Much of that work focuses on how responses following the 9/11 attacks resemble those documented in other disaster events. My research also attempts to dispel myths and misconceptions about how the U.S. public and community organizations can be expected to respond should another major terrorist attack occur. I am using the World Trade Center crisis response as a case study to explore the emergence of complex multi-organizational networks in extreme events.

As a member of the National Construction Safety Team Advisory Committee, I am helping to oversee a major investigation being undertaken by the National Institute of Standards and Technology into the World Trade Center disaster. Among the topics being studied as part of that project are the responses by building occupants during the evacuation of the Trade Center facilities and the activities of emergency response organizations following the attack.

Through my work on disasters, I have had the opportunity to take part in large-scale and broad multi-disciplinary research projects. For over a decade, I have received funding from and taken a leadership role in the activities of the Multidisciplinary Center for Earthquake Engineering Research (formerly the National Center for Earthquake Engineering

My research ... attempts to dispel myths and misconceptions about how the U.S. public and community organizations can be expected to respond should another major terrorist attack occur.

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IN FOCUS

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Research), a National Science Foundation (NSF) funded earthquake engineering research consortium headquartered at the State University of New York at Buffalo.

I am also part of a team that was recently awarded a large information technology research grant from NSF. That five-year project, which is also a multi-campus grant, brings together information technology researchers, engineers, social scientists, and local government agencies to focus on ways in which information technology can improve the ability of local communities to manage crises, including both natural and human-induced events. The social science component of that project will center on such topics as impediments to the adoption of new technologies by organizations, issues associated with technological and organizational interoperability among crisis management agencies at the local level, and ways that information technology can be used to disseminate information to organizations and the public in the context of disasters.

In all my projects, one thing that I especially enjoy is the opportunity to train and work closely with students. There are many challenges associated with conducting research on disasters and many skills that must be mastered. Particularly in quick response studies, the research environment can be very “unforgiving”: if the researcher fails to gain the cooperation of those he or she wishes to study, doors may remain closed permanently. Other necessary skills include a high tolerance for ambiguity and pressure, the ability to “blend into” settings such as emergency operations centers and disaster assistance facilities, and the ability to describe research projects in ways that motivate people and organizations to participate during an ongoing crisis.

PROGRAM ACTIVITIES

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POLITICAL AND ECONOMIC CHANGE PROGRAM

On November 17, **Keith Maskus** was the keynote speaker at the World Trade Organization (WTO) workshop on Intellectual Property Rights and International Technology Transfer. The workshop was co-sponsored by the World Intellectual Property Organization and held at the WTO headquarters in Geneva.

POPULATION PROCESSES PROGRAM

Jane Menken and **Randall Kuhn** were in Dhaka, Bangladesh, January, 14-27 for collaborator meetings and research presentations at ICDDR,B: Centre for Health and Population Research and the Independent University of Bangladesh.

In January, **Jill Williams** began a year of teaching and conducting post-doctoral research at the University of the Witwatersrand in Johannesburg, South Africa.

Enid Schatz attended a workshop on qualitative research methods, organized by the University of Arizona and Arizona State University, in Tempe, Arizona, in January.

Program Activities continue on page 5

PROGRAM ACTIVITIES*continued from page 4***POPULATION PROCESSES PROGRAM****In Print**

Kuhn, Randall. "Identities in Motion: Social Exchange Networks and Rural-Urban Migration in Bangladesh." *Contributions to Indian Sociology*, 37, 1&2 (2003): 311-337.

Menken, Jane, Linda Duffy and **Randall Kuhn.** "The Effects of Childbearing on Women's Survival: New Evidence from Rural Bangladesh." *Population and Development Review*, 29, 3 (2003): 405-426.

PROBLEM BEHAVIOR PROGRAM

At the American Society of Criminology meeting in Denver, November 18-22, **Scott Menard, Delbert Elliott,** John Hewitt, **David Huizinga,** Robin Corley, **Jennifer Grotpeter,** Michael Stallings, Susan Young, **Linda Cunningham, Tiffany McNeil,** and Linda Kuhn presented "The National Youth Survey Family Study: A Multigenerational, Multidisciplinary, Longitudinal Design." John Hewitt, Robin Corley, Brett Haberstick, **David Huizinga, Scott Menard,** Andrew Smolen, Michael Stallings, and Susan Young presented "Genotype X Environment Interaction: An Examination of the Caspi Hypothesis for the Etiology of Antisocial Behavior in a Nationally Representative Sample of the U.S."

In Print

Huizinga, David H. and Sharon Mihalic. "Preventing Juvenile Delinquency." In *Crime Prevention New Approaches*, edited by H. Kury and J. Obergfell-Fuchs. Germany: Weisser Ring, 2003.

Mihalic, Sharon and Tonya Aultman-Bettridge. "A Guide to Effective School-Based Prevention Programs: Early Childhood Education and Environmentally Focused Programs." In *School Crime and Policing*, edited by W.L. Turk. Upper Saddle River, NJ: Prentice Hall, 2004.

Mihalic, Sharon and Tonya Aultman-Bettridge. "A Guide to Effective School-Based Prevention Programs: Individually Focused Programs." In *School Crime and Policing*, edited by W.L. Turk. Upper Saddle River, NJ: Prentice Hall, 2004.

Mihalic, Sharon F. and K. Irwin. "Blueprints for Violence Prevention: From Research to Real-World Settings--Factors Influencing the Successful Replication of Model Programs." *Youth Violence and Juvenile Justice* (2003): 1-23.

BITS AND BYTES FROM CCRS*Center for Computing and Research Services*

Newly Released Census Data: The U.S. Census 2000 Public Use Microdata Sample: 5-Percent Sample is now available for all 50 states. You can download the data and documentation files from ICPSR (<http://www.icpsr.umich.edu/>) or you can request customized data extractions from IPUMS (<http://www.ipums.umn.edu/usa/>).

Bits and Bytes continue on page 6

BITS AND BYTES FROM CCRS

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Changes in Computer Support Personnel: **Richard Cook** is now providing part-time computer support for people in IBS #9 and #10. He is available MWF mornings from 9 a.m. to 12 p.m.). The best way to reach him is by e-mail at richard.cook@colorado.edu, or call 735-3655. **Gabe Westmaas** is providing computer support for people in IBS #1 through IBS #8 on a part-time basis. The best way to reach Gabe is by email at gabe.westmaas@colorado.edu, or call 492-2148.

Upcoming CCRS Workshops:

A full listing can be found at <http://www.colorado.edu/ibs/CRS/training.html>. To register contact Jani.Little@colorado.edu

GIS Techniques: Introduction to Thematic Mapping and Spatial Analysis

Times: Thurs, Feb 19 and 26, 3:00PM-5:00PM

Instructor: Tom Dickinson (CCRS)

This two-session workshop is a “hands-on” introduction to GIS, oriented toward using spatial data for research. In the first session, a series of exercises provides an overview of basic GIS concepts, thematic mapping of geographic data, and creating printable thematic maps. The second session focuses on spatial analysis techniques and data formats with exercises on using common GIS data types and map projections; how to find and use geographic data in your projects; importing spreadsheet data from statistical packages and other sources into a GIS; and spatial analysis and modeling. The exercises use ArcView 3.3.

What Is WebCal, and Why Do You Need It?

Time: Wed, Feb 25, 3:00PM-4:00PM

Instructor: Gabe Westmaas (CCRS)

WebCal is the web-based calendar system for CU. It is designed to be used for personal, group, and resource scheduling. The workshop will provide a demonstration of its capabilities and a brief tutorial for setting up a calendar.

Managing Bibliographic References with EndNote (for Researchers)

Time: Thurs, March 11, 3:00PM-4:00PM

Instructors: Jani Little (CCRS) and Sugandha Brooks (Admin)

This workshop is designed to teach researchers how to start using EndNote. The workshop will include a hands-on example of setting up an EndNote library. Participants will then write a short paper in Word, inserting citations and formatting references.

On-Line Data Collection Capabilities at IBS

Time: Thurs, April 8, 3:00PM-4:00PM

Instructor: Jani Little (CCRS)

CCRS recently completed a prototype for online data collection. It is based on a complex social-psychological study of family relationships. This workshop will be a demonstration of the online data collection methods now available to IBS research projects.

UPCOMING COLLOQUIA

Please refer to the webpage <http://www.colorado.edu/ibs/events/colloquia.html> for the latest colloquia schedules.

IN THE NEWS

CNN/Money used a study by **David Leblang** (Political and Economic Change Program) as a source for their January 22, 2004 article, "Surprise: Dems are better for rallies." Staff writer Alexandra Twin wrote:

... However, volatility is actually lower during Democratic presidencies, according to both the UCLA study and another recent study by two political science professors -- David Leblang of the University of Colorado and Bumba Mukherjee of Florida State University. The study ("Elections, Partisan Politics and Stock Market Performance: Theory and Evidence from a Century of American and British Returns") -- which tracks stock market returns since the first day the Dow Jones industrial average was calculated in 1896 through the fall of 2001 -- shows that market volatility decreases during Democratic administrations.

In the January 13 issue of *The Moscow Times*, staff writer Kevin O'Flynn's article, "Fast-Changing Center is Squeezing Out Locals", reviews the transformation in central Moscow by the real estate boom of the last few years. O'Flynn refers to the 2002 academic survey of urban management done by Vladimir Kolossov and Olga Vendina from the Russian Academy of Science's Institute of Geography and by **John O'Loughlin** (Political and Economic Change Program) that finds "the interests of the majority of Muscovites are ill served by contemporary political structures and processes." The survey report states that the real estate office boom in the center "should not eclipse the interests of the population as a whole. The most attractive and prestigious sections of the city must be accessible to the general public and they should not be turned into citadels for the well-to-do." The three researchers also warned of the dangers if no action is taken: "Whether Moscow ends up more like Rio de Janeiro or Frankfurt is still an open question."

An article appeared in the December 11 University of Colorado's *Silver & Gold Record* entitled "UCB's Tierney to Take Part in NSF Study of Disaster Response." The article notes **Kathleen Tierney**'s participation in a \$12.5-million NSF project titled "Responding to the Unexpected." Tierney (director of the Natural Hazards Research and Applications Information Center) is looking at how local governments can use advanced IT tools to improve their responses to earthquakes, acts of terrorism and technological failures. The article also mentions Tierney's address at an October 27 congressional briefing in Washington, D.C. and her participation on a panel addressing how social science research can help the nation deal with disasters and improve preparedness for, response to, and recovery from human and natural disasters.

RESEARCH PROPOSALS SUBMITTED

Political and Economic Change Program

O'Loughlin, John	Ethno-Territorial Identities and Political Developments in Russia's Muslim Republics NSF	07/01/04-06/30/07	New	\$288,115
Scarritt, James	Mapping and Explaining Differences Among Parties and Party Systems in Africa, 1945-2005 NSF	08/15/04-08/14/06	New	\$295,284

Environment and Behavior Program

Alston, Lee	Land Differentiation, Land Conflict and the Doctrine of Agricultural Tenancy in Brazil NSF	07/01/04-06/30/07	New	\$467,325
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Population Processes Program

Rogers, Andrei	Indirect Estimation of Migration NIH	01/01/05-12/31/06	New	\$144,025
Silvey, Rachel (R. Kuhn, Co-PI)	Migration and Marginalization: Social Networks, Inequality and Health in Indonesia and Bangladesh NSF	07/01/04-06/30/06	New	\$255,210

RESEARCH PROPOSALS AWARDED

Environment & Behavior Program

Hunter, Lori	Economic Well-Being in Rural Areas Experiencing Amenity-Related Demographic Agricultural Change Dept of Agriculture	09/01/03-8/31/05	New	\$86,618
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Jane A. Menken, Institute Director

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Lee J. Alston, Director

Natural Hazards Research and Applications Information Center

Kathleen Tierney, Director

Research Program on Health Behavior

Richard Jessor, Director

Research Program on Political and Economic Change

Edward S. Greenberg, Director

Research Program on Population Processes

Richard Rogers, Director

Population Aging Center

Jane A. Menken, Director

Research Program on Problem Behavior

Delbert S. Elliott, Director

Center for the Study and Prevention of Violence

Delbert S. Elliott, Director

Center for Computing and Research Services

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