

**Timothy M. Bray**  
*University of Texas at Dallas*  
*School of Social Sciences*

*September 2005*

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## **I. Educational History**

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**University of Missouri – St. Louis** **2003**

- Doctor of Philosophy in Criminology and Criminal Justice
- Dissertation: *The Effect of Socioeconomic Disadvantage and Racial Isolation on Neighborhood Homicide*
- Advisor: Dr. Richard Rosenfeld

**University of Missouri – St. Louis** **1998**

- Master of Arts in Criminology and Criminal Justice

**University of Missouri – St. Louis** **1994**

- Bachelor of Science in Criminology and Criminal Justice
- Minor in Psychology

## **II. Employment History**

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**2005-Present Foundation for Community Empowerment** **Dallas, Texas**

- Associate Director, Institute for Outcomes Research and Public Policy Evaluation

**2002-Present University of Texas at Dallas** **Richardson, Texas**

- Assistant Professor of Criminology

**1998-2002 Illinois State Police** **Springfield, Illinois**

- Assistant Bureau Chief, Research and Development Bureau 2001-2002
- Strategic Development Advisor, Office of the Director 1999-2001
- Research Analyst, Strategic Planning and Analysis Bureau 1998-1999

**1997-1998 University of Missouri – St. Louis** **St. Louis, Missouri**

- Graduate Teaching and Research Assistant

**1992-1997 St. Louis County Police Department** **St. Louis, Missouri**

- Police Planner 1995-1997
- Police Dispatcher 1992-1995

### III. Professional and Honorary Affiliations and Awards

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#### *Memberships*

<b>National Consortium on Violence Research</b>	<b>2004-Present</b>
<b>American Society of Criminology</b>	<b>1997-Present</b>
<b>American Sociological Association</b>	<b>2003-Present</b>
• Crime, Law, and Deviance Section	
<b>American Statistical Association</b>	<b>2003-Present</b>
• Government Statistics Section	
• Social Statistics Section	
• North Texas Chapter	
<b>Academy of Criminal Justice Sciences</b>	<b>1997-Present</b>
<b>Phi Kappa Phi National Honor Society</b>	<b>1994-Present</b>

#### *Awards and Fellowships*

<b>Center for Spatially Integrated Social Science</b> Scholarship Recipient	2004
<b>Illinois State Police</b> Achievement Medal	2002
<b>National Consortium on Violence Research</b> Pre-Doctoral Fellowship	1998 – 2000

### IV. Accomplishments in Original Investigation

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#### *Refereed Publications*

##### *Journal Publications*

Sample, Lisa L. and Timothy M. Bray. (Forthcoming, 2005) Are sex offenders different? An examination of re-arrest patterns. *Criminal Justice Policy Review*.

Sample, Lisa L. and Timothy M. Bray. (2003). Predicting sex offending from criminal offense history. *Criminology & Public Policy* 3: 59-82.

Rosenfeld, Richard, Timothy M. Bray, and H. Arlen Egley. (1999). Facilitating violence: A comparison of gang-motivated, gang-affiliated, and non-gang youth homicides. *Journal of Quantitative Criminology* 15: 495-516.

##### *Book Chapters*

Bray, Timothy M., Lisa L. Sample, and Kimberly Kempf-Leonard. (2005). "Justice by Geography": Racial Disparity and Juvenile Courts." In Darnell Hawkins and Kimberly Kempf-Leonard (eds.), *Our Children, Their Children: Confronting Race and Ethnic Differences in American Criminal Justice*. Chicago: University of Chicago Press.

Burruss, George W. and Timothy M. Bray. (2004). "Confidence Intervals." In Kimberly Kempf-Leonard (ed.), *Encyclopedia of Social Measurement*. San Diego: Academic Press.

Curtin, Kevin M., Fang Qiu, Karen L. Hayslett-McCall, and Timothy M. Bray. (2004). "Using Location Science and Geographic Information Systems to Determine the Optimal Spatial Distribution of Police Patrol Areas." In Fahui Wang (ed.), *Geographic Information Systems and Crime Analysis*. Hershey, PA: Idea Group.

## ***Other Writings***

### *Encyclopedia Entries*

Bray, Timothy M. (2005). "Strategic Policing" and "Crime Trends," in Phyllis Gerstenfeld, Ed., *Criminal Justice*. Pasadena, CA: Salem Press.

### *Research and Statistical Briefs*

Bray, Timothy M., Marcus Martin, and Cecelia Edwards. (2005). "Crime in the Frazier Courts Area: A Statistical Brief." Dallas: Foundation for Community Empowerment.

### *Technical Reports and Training Materials*

Bray, Timothy M. and Karen L. Hayslett-McCall. "Weapons of Mass Destruction – What Every Officer Should Know." Developed six of eleven-course training modules for law enforcement officers, including performance evaluation measures: *Introduction to Weapons of Mass Destruction, Incident Command System in WMD Incidents, Using Protective Equipment, Media Relations in WMD Incidents, Planning and Assessing Your Risk, and Response Strategies for WMD Incidents*.

Sample, Lisa, Kimberly Kempf-Leonard, and Timothy M. Bray. "Influence of court location in certification decisions: Justice by geography."

## ***Invited and Refereed Presentations***

### *Invited Presentations*

Bray, Timothy M. (2005). "We Know Where We're Going; How Will We Know When We Get There?" Research and Planning as Tools for Better Public Service. Invited Presentation for the Annual Save-A-Life Summit hosted by the Texas Department of Transportation: Austin, TX.

Bray, Timothy M. (2005). Child SafetyZones: Using GIS to Assess Public Policy Impact. Invited Presentation for the Eighth Annual International Crime Mapping Research Conference. Savannah, GA.

Bray, Timothy M. (2005). Introducing Space in a Non-Spatial Context. Invited Presentation for the Winter Meetings of the University Consortium for Geographic Information Science. Washington, DC.

Bray, Timothy M. (2004). The Liquidity of Crime: A Case for Fluid Beat Boundaries. Invited Presentation for the Seventh Annual International Crime Mapping Research Conference. Boston, MA.

*Professional Presentations*

Bray, Timothy M. (2003). Assessing Systemic Social Disorganization Theory: An Application of City Police Data to City Problems. Selected for a Presidential Panel (Peer Reviewed). American Society of Criminology. Denver, CO.

Qiu, Fang and Timothy M. Bray. (2003). Design of New Crime Analysis Tools. Selected for a Presidential Panel (Peer Reviewed). American Society of Criminology. Denver, CO.

***Non-refereed Presentations***

*Professional Presentations*

Bray, Timothy M. (2002). Systemic Social Disorganization Theory – An Empirical Test. American Society of Criminology. Chicago, IL.

Sample, Lisa L. and Timothy M. Bray (2002). Assessing the Deterrent Effects of Sex Offender Laws. American Society of Criminology. Chicago, IL.

Bray, Timothy M. (2001). The Systemic Model of Social Disorganization – Assessing Public Controls with Hierarchical Modeling Techniques. American Society of Criminology. Atlanta, GA

Sample, Lisa L. and Timothy M. Bray. (2001). Racial Disparity: Is It Due to “Justice by Geography?” American Society of Criminology. Atlanta, GA.

Bray, Timothy M. (2000). The Effect of Socio-Economic Disadvantage and Racial Composition on Neighborhood Homicide: An Application of the Massey-Denton Racial Concentration Index. American Society of Criminology. San Francisco, CA.

Sample, Lisa L. and Timothy M. Bray. (2000). Are Sex Offenders Different? An Analysis of Re-Arrest Patterns. American Society of Criminology. San Francisco, CA.

Bray, Timothy M. (1999). Islands of Disadvantage: Employing Multi-Level Modeling Techniques to Explore the Relationship Between Race, Socioeconomic Disadvantage, and Homicide. American Society of Criminology. Toronto, ON.

Sample, Lisa L. and Timothy M. Bray. (1999). Predicting Sex Offending From Criminal Offense History - A Collaborative Approach. American Society of Criminology. Toronto, ON.

Bray, Timothy M., H. Arlen Egley, and Richard Rosenfeld. (1998). Distinction Without A Difference – Gang Affiliated, Gang Motivated, and Non-Gang Youth Homicide in St. Louis, 1990-1995. American Society of Criminology. Washington, DC.

Bray, Timothy M. (1998). Balancing the Scale: Police – University Partnerships in Criminal Justice Research. Academy of Criminal Justice Sciences, Albuquerque. NM.

Rosenfeld, Richard and Timothy M. Bray. (1997). The Impact of Neighborhood Disadvantage and Racial Composition on Youth Homicide: Race, Place, and Risk Revisited. American Society of Criminology. San Diego, CA.

***Works in Progress***

*In Preparation*

- Bray, Timothy M. The Effects of Child Safety Zones on Public Safety.
- Bray, Timothy M. The Use of Census Microdata in Racial Profiling Analyses.
- Bray, Timothy M. The Liquidity of Crime: A Case for Fluid Beat Boundaries.
- Bray, Timothy M. Assessing Systemic Social Disorganization Theory: An Application of City Police Data to City Problems.
- Bray, Timothy M. Advanced Measures of Segregation – Do They Outperform Simple Composition in Predicting Violent Crime?
- Bray, Timothy M. The Impact of Spatially Non-Random Sampling on Statistical Indicators of Clustering.

***External Funding***

*Funded Proposals*

- Illinois State Police** **2005**
- Understanding Racial Profiling in Illinois* \$15,646.67
- Contract awarded by Illinois State Police to explore and model racial profiling data collected from Illinois State Police Officers.

*Unfunded Proposals*

- Templeton Foundation Advanced Research Foundation** **2005**
- Religion, Spirituality, Healing, and Health Outcomes* \$1,000,000
- Walton, James (Principal Investigator), Timothy M. Bray, Marcus Martin, M. Harvey Brenner (Co-Principal Investigators). (2005). Exploring the Link Between Health Disparities, Religiosity, and Spirituality in a Clinical Setting (Letter of Intent).
- National Science Foundation** **2005**
- Human and Social Dynamics* \$487,927.00
- Wing, Michael G. (Principal Investigator), Timothy M. Bray, and Joanne Tynon (Co-Principal Investigators). (2005). Spatial Analysis of Crime in America’s Forests.
- National Institute of Justice** **2004**
- General Forensics Research and Development* \$482,175.00
- Bray, Timothy M. (Principal Investigator), Carlos L. V. Aiken, Karen L. Hayslett-McCall, and Xueming Xu (Co-Principal Investigators). (2004). Preserving Crime Scene Evidence Using GIS-Based Three-Dimensional Photorealistic Virtual Models: A Concept Paper.
- Smith Richardson Foundation** **2004**
- Domestic Public Policy Fellowship* \$54,502.67
- Hayslett-McCall, Karen L. (Principal Investigator) and Timothy M. Bray (Co-Principal Investigator). (2004). School and Neighborhood Effects on Juvenile Recidivism.

**National Institute of Justice**

**2003**

*Investigator Initiated Research Solicitation*

\$290,346.00

Karen L. Hayslett-McCall (Principal Investigator), Timothy M. Bray (Co-Principal Investigator), and Jennifer Holmes. Holding the Line? Assessing Community Perceptions of Preparedness Measures Taken By Law Enforcement.

*Solicitation for Research on Terrorism*

\$610,674.67

Timothy M. Bray (Principal Investigator), Karen L. Hayslett-McCall (Co-Principal Investigator), Jennifer S. Holmes, Danielle Lavin-Loucks, Radha Krishnan, E. Douglas Harris, Robert W. Taylor, Kathy J. Rinnert, Paul E. Pepe, Richard K. Scotch. Using Technology to Improve Communications for Public Safety.

*Crime Mapping Solicitation*

\$122,881.00

Karen L. Hayslett-McCall (Principal Investigator), Timothy M. Bray (Co-Principal Investigator), Kevin Curtin, Fang Qiu, and James Murdoch. A Geospatial Investigation of Crime Rates, Beat Boundaries, and the Journey to Crime.

**Association for Public Policy Analysis and Management**

**2003**

*National Survey of American Families*

\$19,943.30

Karen L. Hayslett-McCall (Principal Investigator), Timothy M. Bray (Co-Principal Investigator). Attachment and Well-Being: An Investigation of the Social and Economic Issues Affecting Disadvantaged Families.

## V. Teaching

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### *Bachelors Honors Advisement / Direction*

**Second Reader on Honors Theses**

- Patricia Lister Fall, 2004
- Tara Swayzee Fall, 2002

### *Administration and Curricular Development*

*Committee-Related Activity*

**Crime & Justice Studies Curriculum Committee** **2002 – Present**

Program committee to evaluate existing undergraduate crime and justice studies curriculum and develop graduate (master's and doctoral) curriculum in Criminology.

**Math Assessment Committee** **2002 – Present**

Represent School of Social Science statistics instructors on campus-wide committee to develop documentation procedures for compliance with University System's math curriculum standards.

**Sociology Curriculum Committee** **2002 – 2003**

*Course Development*

**Extent of Crime and Criminals (Graduate)** **Fall, 2005**

Created

**Introduction to Social Statistics**

**Spring, 2004**

Revised

**Communities and Crime**

**Spring, 2003**

Created

**Current Issues in Policing**

**Fall, 2003**

Created

***Classroom Teaching***

- SOCS 3305 – Introduction to Social Statistics
- CJS 1301 – Introduction to Criminal Justice
- CJS 1307 – Introduction to Crime and Criminology
- CJS 4323 – Communities and Crime
- CJS 4314 – Current Issues in Policing
- POEC 5313 – Descriptive and Inferential Statistics (Graduate)
- POEC 6307 – Extent of Crime and Criminals (Graduate)

**VI. Service**

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***Professional Service***

*Ad-Hoc Grant Application Reviews*

- National Science Foundation 2004

*Ad-Hoc Manuscript Reviews*

- Criminology 2002
- Justice Quarterly 2005
- Journal of Research in Crime and Delinquency 2001-2002, 2005
- MacArthur Network on Juvenile Justice 2002
- Sociological Spectrum 2002-2005
- Sociological Perspectives 2002
- Allyn-Bacon/Longman Textbooks 2004
- Wadsworth/Thomson Textbooks 2004-2005
- Prentice Hall Textbooks 2005

***University Service***

*Campus*

- Outside Chair, Doctoral Examination Committee 2005  
Chad Wesley Airhart
- Academic Senate 2003-2004
- Outside Chair, Doctoral Examination Committee 2003  
Claudia Schmegner

*School*

**Committee Service**

- Crime & Justice Studies Search Committee 2002-2004

**Presentations and Speaking Engagements**

- School of Social Science Workshop Series 2003
- Presentation to UTD Scholars Weekend 2003

**Other Service**

- School of Social Science Student Picnic 2002, 2004

***Community Service***

*Committee Service*

- North Texas Electronic Crimes Task Force 2002-Present
- Safety Committee, St. Jude Church 2005-Present

*Print Media Interviews*

- Dallas Morning News May 2005
- Dallas Observer May 2005
- Dallas Morning News May 2004
- Ottawa Citizen April 2004
- Dallas Morning News February 2004
- Dallas Morning News June 2003
- Dallas Morning News March 2003

*Television and Video Interviews and Appearances*

- KTVT-Dallas (CBS Affiliate) March 2005
- KTVT-Dallas (CBS Affiliate) July 2004
- KDAF-Dallas (Independent) June 2004
- KTVT-Dallas (CBS Affiliate) February 2004
- LETN-National (Primedia Satellite Network) August 2003
- KTVT-Dallas (CBS Affiliate) June 2003
- KTVT-Dallas (CBS Affiliate) October 2002

*Informational Interviews*

- Lindsay Astarita, Northeastern University Student March 2005
- Tom Hayden, Former California State Senator June 2003

*Professional Service Presentations*

- American Society of Industrial Security – Dallas Chapter July 2003
- Safe Environment Training – St. Jude Parish 2004-Present

*Non-Academic Community Service*

- Safe Environment Committee, St. Jude Parish 2005-Present
- Story Elementary School Parent Teacher Association 2003-Present
- North Collin County Adventure Guides 2003-Present