

**Edward C. Ratledge
(2009 update)**

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Newark, Delaware 19711
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DATE AND PLACE OF BIRTH

July 4, 1943
Selma, Alabama

EDUCATION

University of Delaware--M.S., 1972 (Economics)
University of Delaware--B.S., 1971 (Economics)

PROFESSIONAL EXPERIENCE

Director, Center for Applied Demography & Survey Research, College of Human Services, Education and Public Policy, University of Delaware, 1989 to present with faculty rank of *Associate Professor*.

Director, Urban Policy Research, College of Urban Affairs and Public Policy, University of Delaware, 1978 to 1989 with faculty rank of *Associate Professor*.

Associate Director, Census and Data System, College of Urban Affairs and Public Policy, University of Delaware, 1972 to 1978 with faculty rank of *Assistant Professor*.

Research Assistant, Division of Urban Affairs, University of Delaware, 1971 to 1972.

Captain, U.S. Army, 1966 to 1970 with service in South Korea 1967-1968 and in Vietnam 1969-1970.

CURRENT POSITION

Direct the operations of a research center with five capabilities:

- Full service regional survey research capability;
- Large scale database construction, management, and analysis areas such as vital statistics, computer mapping, tax records, and automated geo-coding;
- Regional clearinghouse for the Bureau of Census database with supporting demographic analyses;
- Advanced geographic information systems, traffic network analysis, and web hosting for experimental projects.
- Economic impact studies utilizing the REMI Policy Insight model tailored for Delaware.

PUBLIC SERVICE COMMITMENTS – 2009

- Delaware Economic and Financial Advisory Council, sub-committee chair 1977-present
- Delaware Population Consortium, member 1975-present
- Delaware Health Information Network, vice-chair, executive committee 1998-present
- Federal State Cooperative for Population Estimates 2005-present
- Federal State Cooperative for Population Projections 2004-present
- Delaware Kids Count Data Committee 1996-present

PUBLIC PRESENTATIONS – 2009

- Delaware Healthcare Association
- Delaware Chamber of Commerce – Lobbyist Retreat
- Life Conference 2009
- Delaware Covering Kids & Families Conference
- Delaware Health Care Commission
- Delaware Health Disparities Task Force

RESEARCH ACTIVITIES - 2009

- Production of the thirty year detailed population projections for the Delaware Population Consortium.
- Estimating the economic impact of the recent federal stimulus legislation funds for transportation for the current administration.
- Estimating the behavioral characteristics that influence a person's choice of mode of transportation for the Delaware Department of Transportation..
- Disaggregating the thirty year population and employment projections to the traffic analysis zones for use by WILMAPCO and DelDot.
- Development and operation of the Delaware Transportation Monitoring System that provides year round measurement of the origins and destination information from Delaware residents.
- Developing school district by grade projections for small areas of geography to support land use planning and capital budgeting for the Delaware Office of Management and Budget.
- Estimating the numbers and profile of those in the State that are without health insurance for the Delaware Health Care Commission.
- Estimating the current value of property in all the school districts of the State for use in distributing \$75 million of Division III equalization funds for the Delaware Office of Management and Budget.
- Development/operation of the Hospital Discharge Data System for the State of Delaware that is designed to monitor and improve health care in Delaware.
- Developing 30-year forecasts of population and housing growth at the traffic zone level state-wide for the Delaware Office of Management and Budget.
- Estimating the total cost of health care in Delaware for the Delaware Health Care Commission.

CRIMINAL JUSTICE RELATED ACTIVITIES

PROFESSIONAL ACTIVITIES

- Joint Seminar on the Principles of Computerization of Criminal Justice Information sponsored by the Russian Federation and the European Institute for Crime Prevention and Control, Speaker, Moscow, Russia, June, 1997.
- United Nations Congress on the Prevention of Crime and the Treatment of Offenders, General Session, Speaker, Cairo, Egypt, July, 1995.
- United Nations Far East Institute, Tokyo, Japan, Training Course for Effective and Innovative Counter Measures against Economic Crime. Faculty, Workshop on Computerization of Criminal Justice Information. November, 1991-1994.
- Project Search Conference on New Technologies in Law Enforcement. Speaker at the Workshop on Expert Systems in Law Enforcement, Instructor, Denver CO, August, 1991.
- FBI First International Symposium on the Future of Law Enforcement, Speaker, FBI Academy, Quantico, VA, April, 1991.
- International Symposium on Criminal Profiling, Sponsored by Ministry of Justice, (CRI), Participant, The Haag, Netherlands, February, 1991.
- Home Office Working Group on Expert Systems in Sex Crimes, Member, London, England, November 1990.
- United Nations Congress on the Prevention of Crime and the Treatment of Offenders, General Session, Speaker, Havana, Cuba, August, 1990.
- United Nations Working Group on Computerization on Criminal Justice, Member, London, England, 1990-1991.
- FBI First International Conference, Expert Systems for Law Enforcement, Co-Convener, FBI Academy, Quantico, VA, July, 1990.
- United Nations Committee of Experts on Computers in Criminal Justice, Member, Ottawa, Canada, 1989.

PROJECTS

ACADEMIC RESPONSIBILITIES

- Master's level course in *Survey Research*.
- Master's level course in *Enterprise Resource Planning*.

- Master's and Doctoral level course in *Research Design and Methodology*.
- Master's and Doctoral level course in *Advanced Statistics*.
- Directing Master's theses and Doctoral dissertations.

AREAS OF SPECIALIZATION

Multivariate Statistics. Methods include all aspects of regression, MANOVA, logit, probit, selection bias, qualitative response models, time series, sampling design, survey research, evaluation research, decision theory and demographic techniques.

Criminal Justice. Research activities relate to decision-making and information systems. Decision-making theory has been applied in all aspects of prosecutor and defender performance as well as pre-trial release decisions and sentencing guidelines. Information systems applications range from large-scale criminal history systems, program evaluation systems, management information systems to artificial intelligence and expert systems.

Public sector economics. Primary activities relate to tax policy, design of tax systems, and revenue forecasts. In addition, have had substantial experience in labor market area including discrimination, employment forecasting, and synthesis of economic and demographic techniques.

SELECTED PUBLICATIONS (2006-2009)

BOOKS & BOOK CHAPTERS

Delaware Politics and Government; Edward C. Ratledge and William W. Boyer; University of Nebraska Press.

Discretion: The Prosecutors Prerogative (forthcoming 2009); Edward C. Ratledge and Joan E. Jacoby; Greenwood Press.

“The Anatomy of a Pre-election Poll” in *Statistics: A Guide to the Unknown* 4th Edition; edited by Peck et al. Duxbury Press, 2006, ISBN-0-534-37282-1.

JOURNAL ARTICLES

“Developing a Statewide Travel Demand Model from a Person-Based Time Series Household Survey” Edward C. Ratledge et al; *Planning and Analysis* 2006 ISBN 0309099919 pp 68-75; *Transportation Research Record*; *Journal of the Transportation Research Board*; *Transportation Research Board* ISSN:0361-1981.

“Measuring Health Disparities in Delaware (Scientific Article);” Edward Ratledge, Eric Jacobson and Barbara Gladders; *Delaware Medical Journal*, Vol 77 No 9, pp. 353-360.

SELECTED RESEARCH MONOGRAPHS AND TECHNICAL REPORTS 2008-2009

“Economic Impact in Delaware: The Biopharmaceutical and Related Sectors” with Simon Condliffe. Prepared for PhRMA, College of Human Services, Education, and Public Policy, University of Delaware, March 2009.

"Assessment To Sales Ratio Study for Division III Equalization Funding." 2008 Prepared for the Office of the Budget, State of Delaware. College of Human Services, Education and Public Policy, University of Delaware, March.

"Delawareans without Health Insurance 2008". Prepared for the Delaware Health Care Commission, State of Delaware. College of Human Services, Education, and Public Policy, University of Delaware, July.

"Tobacco Attitudes and Media Survey 2007". Prepared for the Delaware Division of Public Health, State of Delaware. College of Human Services, Education, and Public Policy, University of Delaware, October.

"Total Cost of Health Care in Delaware 2007." with Simon Condliffe 2007. Prepared for the Delaware Health Care Commission, State of Delaware. College of Human Services, Education, and Public Policy, University of Delaware, July.

CRIMINAL JUSTICE RELATED PUBLICATIONS

BOOKS

Handbook on Artificial Intelligence and Expert Systems in Law Enforcement, 1989. With Joan E. Jacoby, Westport, CT, Greenwood Press.

REPORTS

"Evaluation of the Violent Offender Prosecution Program in Winnebago County." 1998. With Joan E. Jacoby and Peter S. Gilchrist, III. Prepared for the Criminal Justice Authority, State of Illinois. Jefferson Institute for Justice Studies, Washington, DC, August.

"Evaluation of the Violent Offender Prosecution Program in Sangamon County." 1998. With Joan E. Jacoby and Peter S. Gilchrist, III. Prepared for the Criminal Justice Authority, State of Illinois. Jefferson Institute for Justice Studies, Washington, DC, August.

"Evaluation of the Violent Offender Prosecution Program in Kankakee County." 1998. With Joan E. Jacoby and Peter S. Gilchrist, III. Prepared for the Criminal Justice Authority, State of Illinois. Jefferson Institute for Justice Studies, Washington, DC, August.

"An Evaluation of the Kings County District Attorney's Public Housing Prosecution Team." 1997. With Joan E. Jacoby. Prepared for the National Institute of Justice. Jefferson Institute for Justice Studies, Washington, DC, June.

"Analysis of the North Carolina District Attorneys Resources." 1996. Prepared for the Conference of District Attorneys, State of North Carolina. Jefferson Institute for Justice Studies, Washington, DC, February.

"Prosecuting Complex Drug Cases: The Challenge for Local Prosecutors." 1993. With Joan E. Jacoby. Prepared for the National Institute of Justice. Jefferson Institute for Justice Studies, Washington, DC, July.

"Marin County CA: Management Appraisal of the Criminal Justice Adjudication System" 1993. With Joan E. Jacoby. Prepared for the National Institute of Justice. Jefferson Institute for Justice Studies, Washington, DC, December.

"Asset Forfeiture Programs: Impact, Issues, and Implications." 1992. Prepared for the National Institute of Justice, US Department of Justice. Jefferson Institute for Justice Studies, Washington, DC, February.

"Prosecutor's Guide to Management Information." 1999. With Joan E. Jacoby and Peter S. Gilchrist, III. Prepared for the Bureau of Justice Assistance, US Department of Justice. Jefferson Institute for Justice Studies, Washington, DC, January.

"Prosecutor's Guide to Case Management." 1998. With Joan E. Jacoby and Peter S. Gilchrist, III. Prepared for the Bureau of Justice Assistance, US Department of Justice. Jefferson Institute for Justice Studies, Washington, DC, January.

"Prosecutor's Guide to Police-Prosecutor Relations." 1998. With Joan E. Jacoby and Peter S. Gilchrist, III. Prepared for the Bureau of Justice Assistance, US Department of Justice. Jefferson Institute for Justice Studies, Washington, DC, January.

"Prosecution in Missouri." 2001. With Joan E. Jacoby. Prepared for the Bureau of Justice Assistance, US Department of Justice. Jefferson Institute for Justice Studies, Washington, DC, September.

"Analysis of the North Carolina Clerks of Superior Court: Resources and Procedures" 2000. Prepared for the Governor's Crime Commission, State of North Carolina. Jefferson Institute for Justice Studies, Washington, DC, November.

"Management Appraisal of the Office of District Attorney Robeson County, North Carolina." 2001. Prepared for the Administrative Office of the Courts, State of North Carolina. Jefferson Institute for Justice Studies, Washington, DC, January.