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6. AUTHOR(S)
Dr. Raymond J. Carroll

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Texas A&M University
Dept of Statistics
Box 3578
College Station, TX 77843

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13. ABSTRACT (Maximum 200 words)

During this period of research a substantial research program continued in statistical inference, one that has seen the publication of nearly 100 papers and a book since the initiation of support. The papers written or revised in 1991-1992 are: (1) "An Assmyptotic Theory for Sliced Inverse Regression", T. Hsing & R.J. Carroll (2) "Measurement Error Regression with Unknown Link: Dimension Reduction & Data Visualization", Raymond Carroll & Ker-Chau Li (3) "Further Remarks on Robustness in the Logistic Regression Model", R.J. Carroll & Shane Pederson (4) "Semiparametric Comparison of Regression Curves Via Normal Likelihoods", R.J. Carroll & Peter Hall (5) "Theoreticas Aspects of Ill-Posed Problems in Statistics", A.C.M. Van Rooij, F.H. Ruymgaart & R.J. Carroll.

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Penn State University	1990
Alaska ASA Chapter	1990
Conference on Discrete Choice Models, Louvaine le Neuve	1990
Australian National University	1991
LaTrobe University	1991
University of Tasmania	1991
Regression Conference, Australian Statistical Association	1991
Australian Graduate School of Management (Innaugural Statistics Lectures)	1991
Statistics Week, University of Miami (Ohio)	1991
University of Alaska, Fairbanks	1991
Penn State University	1991
ENAR National Meeting, Atlanta	1991
North Carolina Chapter, American Statistical Association	1991
Bureau of Labor Statistics	1992
University of Texas at Austin	1992
National Institute of Occupational Safety and Health	1992
ENAR Spring Meeting, Cincinnati	1992
Swiss Statistics Society Spring Meeting	1992
Eli Lilly Conference on Population Pharmacokinetics	1992
Purdue Decision Theory Conference	1992
GLIM 92, München, Germany	1992

HONORS RECEIVED

COPSS President's Award (IMS, ASA, ENAR, WNAR, CSS), 1988.

Ordinary Member, International Statistical Institute, elected 1991.

Distinguished Lecturer in Statistics, Australian Graduate School of Management, 1991.

EDITORIAL RESPONSIBILITIES

Editor, *Journal of the American Statistical Association*, Theory and Methods Section, 1988-1990.

Associate Editor, *Journal of the American Statistical Association*, Theory and Methods Section, (1979-1987), Applications Section (1992-), *Journal of Statistical Planning & Inference* (1992-), *Annals of Statistics* (1983-1988), *Chemometrics and Intelligent Laboratory Systems* (1986-), and *Statistics* (1987-).

APPOINTMENTS

Institute of Mathematical Statistics, Elected Council Member, 1991-94.

Institute of Mathematical Statistics, Committee on Fellows, 1989-1991. (Chair, 1991)

Session Organizer, 1992 Special Topics Meeting of the Institute of Mathematical Statistics, State College, Pennsylvania.

National Institutes of Health, Division of Computer Resources and Technology. Chair of site visit committee for Laboratory for Statistical Methodology, 1991.

National Institutes of Health, Special Study Sections for Statistics, 1988-present (chair, March 1990, July 1990).

Program Chair, 1991 Annual Meeting of the Institute of Mathematical Statistics, Atlanta, Georgia.

Session Organizer, 1989, Annual Meeting of the Institute of Mathematical Statistics, Washington.

Committee member for selection of the President and Council of the Institute of Mathematical Statistics, 1980, 1987, 1989.