

Invited Speakers

DOE 1: 19-21 October 1955, Diamond Ordnance Fuze Laboratory and the National Bureau of Standards, Washington, DC

William G. Cochran, *The Philosophy Underlying the Design of Experiments*

W.J. Youden, *Design of Experiments in Industrial Research and Development*

Churchill Eisenhart, *The Principle of Randomization in the Design of Experiments*

M.E. Terry (based on a paper by J.S. Hunter), *Finding Optimum Conditions by Experimentation*

John Tukey (Chairman), Panel Discussion on *How and Where Do Statisticians Fit In?*, with Cuthbert Daniel, Besse Day, Churchill Eisenhart, M.E. Terry, and S.S. Wilks

DOE 2: 17-19 October 1956, Diamond Ordnance Fuze Laboratory and the National Bureau of Standards, Washington, DC

George E. Nicholson, Jr., *The Planning of Experiments in the Presence of Variation*

Carl A. Bennett, *The Predesign Phase of Large Sample Experiments*

Ralph A. Bradley, *Recent Research in Statistical Problems in Subjective Testing*

Bernard G. Greenberg and A.E. Sarhan, *Application of Order Statistics in Medical Experiments*

M.B. Wilk, *Derived Linear Models in the Analysis of Variance*

Jerome Cornfield, *Choice of Error in the Design of Experiments*

DOE 3: 16-18 October 1957, Diamond Ordnance Fuze Laboratory and the National Bureau of Standards, Washington, DC

R.A. Fisher, *Practical Problems in Experimental Design*

A.W. Marshall, *Experimentation by Simulation and Monte Carlo*

Benjamin Epstein, *Life Testing*

H.O. Hartley, *Changes in the Outlook of Statistics Brought About by Modern Computers*

DOE 4: 22-24 October 1958, The Quartermaster Research and Engineering Center, Natick, MA

A.C. Cohen, *Simplified Computational Procedures for Estimating Parameters of a Normal Distribution from Restricted Samples*

A.W. Kimball, *Errors of the Third Kind in Statistical Consulting*

C.F. Kossak, *The AASHO Road Test as an Example of Large Scale Tests*

C.I. Bliss, *Some Statistical Aspects of Preference Studies*

L.H.C. Tippet, *Statistical Methods Applied to the Textile Industry*

DOE 5: 4-6 November 1959, Army Biological Warfare Laboratories, Fort Detrick, MD

H.A. David, *The Method of Paired Comparisons*

Joseph Berkson, *The Measure of Death*

Richard Weiss, *The Army Research and Development Program as It Relates to the Civil Economy*

Nicholas E. Golovin, *Prediction of the Reliability of Complex Systems*

Wilford J. Dixon, *Medical Health Statistics*

D.B. DeLury, *Sampling in Biological Populations*

DOE 6: 19-21 October 1960, Ballistic Research Laboratories, Aberdeen Proving Ground, MD

James R. Duffett, *Reliability*

Francis J. Anscombe, *Examination of Residuals*

W.S. Connor, *Developments in the Design of Experiments: Group Screening Designs*

J. Edward Jackson, *Multivariate Analysis Illustrated by Nike-Hercules: I. Separation of Product and Measurement Variability, II. Acceptance Sampling*

George E.P. Box (Chairman), Panel Discussion on *Common Pitfalls in the Design and Analysis of Experiments*, with Cuthbert Daniel, J. Stuart Hunter, W.J. Youden, and Marvin Zelen
W.J. Youden, *The Enduring Values* (Banquet)

DOE 7: 18-20 October 1961, US Signal Research and Development Laboratory, Fort Monmouth, NJ

G.A. Watterson, *Time Series and Spectral Analysis*

Jonh M. Hammersley, *Monte Carlo Methods*

R.L. Anderson, *Designs for Estimating Variance Components*

G.S. Watson, *Hazard Analysis*

Robert M. Thrall (Chairman), Panel Discussion on *Simulation*, with Alfred W. DeQuoy, John Hammersley, John H. Moss, and Gustave Rabson

Ralph D. Doner (Chairman), Educational and Game Session: Alonzo Bulfinch, *Training Programs in Statistics*, Walter D. Foster and Theodore W. Horner, *A Review of a Statistical Workshop*, Theodore W. Horner and Walter D. Foster, *Ye Olde Confidence Game*

DOE 8: 24-26 October 1962, Walter Reed Army Institute of Research, Washington, DC

Egon S. Pearson, *A Statistician's Place in Assessing the Likely Operational Performance of Army Weapon and Equipment*

Marvin A. Schneiderman, *A General Survey of Screening Theory*

Herman Chernoff, *Optimal Design Experiments*

Robert P. Abelson, *An Experimental Design for Decisions under Uncertainty*

Herbert C. Batson, *Bio-Assay*

Harold R. Dorn (Chairman), Panel Discussion on *Diet and Heart Disease*, with Jerome Cornfield and George V. Mann

Beatrice S. Orleans, film on the *Design of Experiment*

DOE 9: 23-25 October 1963, Army Missile Command, Redstone Arsenal, AL

Solomon Kullback, *Communication Theory*

Frank Proschan, *The Concept of Monotone Hazard Rate in Systems Reliability*

Churchill Eisenhart, *Realistic Evaluation of the Precision and Accuracy of Instrument Calibration Systems*

H.O. Hartley, *Nonlinear Estimation*

David B. Duncan, *On the Simultaneous Estimation of a Missile Trajectory and the Error Variance Components Including the Error Power Spectra of Several Tracking Systems*

Boyd Harshbarger (Chairman), Panel Discussion on *What Type of Statisticians Are Needed in Research and Development Laboratories*, with E.L. Cox, Churchill Eisenhart, John L. McDaniel, Paul R. Rider, William Wolman, and Donald A. Gardiner

Craig M. Crenshaw (Banquet), title missing

DOE 10: 4-6 November 1964, Army Research Office, Washington, DC

MAJ GEN Leslie E. Simon (Ret'd), *The Stimulus of S.S. Wilks to Army Statistics*

Oscar Kempthorne, *Development of the Design of Experiments over the Past Ten Years*

H.O. Hartley and A.W. Wortham, *Assessment and Correction of Deficiencies in PERT Analysis*

Churchill Eisenhart (Banquet), *Sam Wilks as I Remember Him*

W.J. Youden (Banquet), *An Operations Research Yarn and Other Comments*

John W. Tukey, *The Future of Processes of Data Analysis*

M.G. Kendall, *Statistics and Management*

Gerald L. Lieberman (Chairman), Panel Discussion on *Regression Analysis*, with Robert Bechhofer (Discussant), George E.P. Box, Jack C. Kiefer, and Ingram Olkin

DOE 11: 20-22 October 1965, Army Muniton Command, Dover, DE, held at the Stevens Institute of Technology, Hoboken, NJ

Joan R. Rosenblatt, *Confidence Limits for the Reliability of Complex Systems*

J. Stuart Hunter, *Non-linear Models: Estimation and Design*

William C. Guenther, *Target Coverage Problems*

H.O. Hartley, *Maximum Likelihood Estimates for the General Mixed Analysis of Variance Model*

R.E. Bechhofer (Chairman), Panel Discussion on *Selecting the Best Treatment*, with Shanti S. Gupta

DOE 12: 19-21 October 1966, Harry Diamond Laboratories and the National Bureau of Standards, Gaithersburg, MD

Brian W. Conolly, *Operations Research*

John Mandel, *Statistics as a Diagnostic Tool in Data Analysis*

W.G. Cochran, *Planning and Analysis of Observational Studies*

Norman L. Johnson, *Sample Censoring*

DOE 13: 1-3 November 1967, Army Mobility Equipment Development Center and the Army Engineer Topographic Laboratories, Fort Belvoir, VA

Francis J. Anscombe, *Regression Analysis*

K.A. Brownlee, *Some Comments on Matching*

I.J. Good, *Some Statistical Methods in Machine Intelligence Research*

Frank Proschan, *Maximum Likelihood Estimation of Reliability*

M.B. Wilk, *Data Analysis*

DOE 14: 23-25 October 1968, Army Edgewood Arsenal, Edgewood, MD

LT GEN William B. Bunker, *Broadening the Horizons of Experimental Design*

Rolf E. Bargman, *The Structure and Classification of Patterns*

Acheson J. Duncan, *Bulking Sampling*

Emanuel Parzen, *Time Series*

Walter D. Foster (Chairman), Panel Discussion on *Bulk Sampling*, with Acheson J. Duncan, Boyd Harshbarger, Henry Ellner, Gene Ray Lowrimore, Joseph Mandelson, and Vernon H. Rechmeyer

DOE 15: 22-24 October 1969, Army Missile Command, Redstone Arsenal, AL

John E. Condon, *Reliability Applied to Space Flight*

Nancy R. Mann, *Systems Reliability*

Clifford J. Maloney, *A Probability Approach to Catastrophic Threat*

Richard G. Krutchkoff, *The Empirical Bayes Approach to the Design and Analysis of Experiments*

Sam C. Saunders, *On Confidence Limits for the Performance of a System When Few Failures Are Encountered*

DOE 16: 21-23 October 1970, Army Logistics Management Center, Fort Lee, VA

Solomon Kullback, *Minimum Discrimination Information Estimation and Application*

Richard J. Kaplan, *Field Testing*

Gary G. Koch, *The Analysis of Complex Contingency Table Data from General Experimental Designs and Sample Surveys*

A. Clifford Cohen, *Estimation in Truncated Poisson Distributions with Concomitant Intervals and Truncation Points*

Dana Quade, *Nonparametric Analysis of Covariance*

DOE 17: 27-29 October 1971, Walter Reed Army Institute of Research, Washington, DC

Marvin Zelen, *The Role of Mathematical Sciences in Biomedical Research*

Bernard G. Greenberg, *Randomized Response: A New Survey Tool to Collect Data of a Personal Nature*

Geoffrey H. Ball, *Classification and Clustering Techniques in Data Analysis*

K.S. Banerjee, *Hotelling's Weighing Designs*

John J. Gart, *The Comparison of Proportions: A Review of Significance Tests, Confidence Intervals, and Adjustments for Stratification*

DOE 18: 25-29 October 1972, Army Test and Evaluation Command, Aberdeen Proving Ground, MD

John Tukey, *Exploratory Data Analysis*

G.S. Watson, *Orientation Analysis*

J. Stuart Hunter, *Sequential Factorial Estimation*

George E.P. Box, *Forecasting and Control*

Raymond H. Myers, *Dual Response Surface Analysis*

DOE 19: 24-26 October 1973, Army Armament Command and Army Management Engineering Training Agency, Rock Island, IL

Jerome Cornfield, *Bayesian Statistics*

Shanti S. Gupta, *Ranking and Selection Procedures for Multivariate Normal Populations*

H.L. Gray, *Generalized Jackknife Techniques*

Frank Proschan, *Reliability Growth*

Sam C. Saunders, *Accelerated Life Testing*

William A. Thompson, Jr., *Reliability of Multiple Component Systems*

DOE 20: 23-25 October 1974, Army Operational Test & Evaluation Center and Army Engineer Center, Fort Belvoir, VA

Churchill Eisenhart, *Samuel S. Wilks and the Army Design Conferences*

Solomon Kullback, *Multidimensional Contingency Tables*

Herbert Solomon, *Multivariate Data Analysis*

H.A. David, *Order Statistics*

Gerald Lieberman, *Reliability*

Robert Bechhofer, *Ranking and Selection Procedures*

Marion R. Bryson, *Maximum Information from Experiments*

William Mallios, *Sample Size Trade-offs and the Constrained Maximization of Information*

DOE 21: 22-24 October 1975, Walter Reed Army Medical Center and the Armed Forces Institute of Pathology, Washington, DC

Frederick Mosteller, *Success in Social and Medical Experimentation*

Edmund A. Gehan, *Non-randomized Clinical Trials*

Paul Meier, *Randomized Clinical Trials*

Seymour Geisser, *Predictive Sample Reuse*

Edmond Murphy, *Normality and Disease*

DOE 22: 20-22 October 1976, Harry Diamond Laboratories, Adelphi, MD

J. Stuart Hunter, *The Measurement Process*

Benjamin S. Blanchard, *Management of Reliability, Availability, and Maintainability (RAM)*

Carl N. Morris, *Interval Estimation for Empirical Bayes Generalizations of Stein's Estimator*

Robert V. Hogg, *On Robust Statistical Procedures*

Nozer D. Singpurwalla, *Accelerated Life Testing*

DOE 23: 19-21 October 1977, Army Combat Development Experimentation Command, Fort Ord, CA, held at the Naval Postgraduate School, Monterey, CA

H.O. Hartley, *Analysis of Unbalanced Experiments*

Norman Breslow, *Censored Data*

Rupert Miller, *The Jackknife: Survey and Applications*

Donald P. Gaver, *Modeling and Estimation of Complex System Availability*

George E.P. Box, *Time Series Modeling*

DOE 24: 4-6 October 1978, Mathematics Research Center, University of Wisconsin, Madison, WI

Norman Draper, *Ridge Regression*

Ralph Bradley, *Some Approaches to Statistical Analysis of Weather Modification*

Richard E. Barlow and Bernard Davis (presenter), *Recent Advances in Graphical Techniques for Analyzing Failure Data: Total Time on Test Plots*

Brian Joyner, *Statistical Consulting*

Grace Wahba, *Design Problems in Recovering Functions of Two or Several Variables*

George E.P. Box, *Tutorial on Introduction to the Fundamentals of Experimental Design*, 2-3 October

DOE 25: 17-19 October 1979, Army Natick Research and Development Command, Natick, MA

Frank E. Grubbs, Special Silver Anniversary Address: *A Quarter Century of Army Design of Experiments Conferences*

William G. Cochran, *Summarizing the Results of a Series of Experiments*

Marvin Zelen, *Ethics and Strategy in Therapeutic Investigations*

Alfred T. May, *Designed Experiments in Sensory Testing*

Ray E. Schafer, *Computer Aided Hypothesis Tests – The Birnbaum Test*

Warren Stewart, *New Algorithms for Nonlinear Least Squares and Bayesian Parameter Estimation*

DOE 26: 22-24 October 1980, White Sands Missile Range, held at New Mexico State University, Las Cruces, NM

Theme: Data Analysis

Francis J. Anscombe, *How Far to Go in Looking at Data*

Toby J. Mitchell, *Design of Experiments*

W.J. Conover, *The Rank Transformation as a Robust and Powerful Tool for the Analysis of Experimental Data*

James R. Thompson, *The Nonparametric Estimation of Probability Densities in Ballistics Research*

Victor Solo, *Engineering Time Series Analysis*

Richard A. Johnson, *Stress-Strength Models for Reliability – Overview and Recent Advances*

Norman Draper, *Tutorial on Applied Regression Analysis*, 20-21 October

DOE 27: 21-23 October 1981, Army Research Office, held at North Carolina State University, Raleigh, NC

Norman L. Johnson, *Recent Developments in Discrete Distributions*

Nozer D. Singpurwalla, *Robustness of Sequential Exponential Life Testing Procedures for Restricted Classes of Distributions*

Douglas A. Wolfe, *Comparing Several Groups in a Two-Way Layout Setting*

David C. Hoaglin, *Application of Exploratory Data Analysis Techniques in More Complex Models*

Walter L. Smith, *On Regenerative Processes in Discrete Time*

Ray Bell (Chairman), Special Session on *Product Assurance*, 5 papers

P.N. Ghare and D.R. Jensen, Tutorial on *Quality Control*, 19-20 October

DOE 28: 20-22 October 1982, Army Combat Development Experiment Center (CDEC), Fort Ord, held in Monterey, CA

Brad Efron, *Bootstrap Methods*

Leo Breiman, *Tools in Data Analysis*

David W. Scott, *Nonparametric Bivariate Density Estimation as a Tool for Data Analysis*

Nancy R. Mann, *The Influence of W. Edwards Deming on the Implementation of Quality Control – The Early Days and Now*

Walter W. Hollis (Chairman), Special Session on *Logistic Supportability*, presentations by OTEA, DARCOM, and TRADOC

Larry Crow (Chairman), Special Session on *Software Test and Evaluation*, 4 papers

W.J. Conover, Tutorial on *Non-Parametric Statistics*, 18-19 October

DOE 29: 19-21 October 1983, Uniformed Services University of Health Sciences, Bethesda, MD

Marvin A. Schneiderman, *Epidemiology and Risk Assessment: Courts, Clocks, and Confusion*

William Sacco, *Injury Severity Scores and Applications to Military Triage*

Jerome Friedman, *Interactive Computer Data Analysis*

Charles Brown, *High to Low Dose Extrapolation of Experimental Animal Carcinogenesis Studies*

Michael Woodrooffe (Chairman), Special Session on *Sequential Methods in Statistics*, 6 papers

Michael Woodrooffe, Tutorial on *Sequential Methods in Statistics*, 17-18 October

DOE 30: 22-24 October 1984, White Sands Missile Range, held at New Mexico State University, Las Cruces, NM

John W. Tukey, *Limited Randomization as the Key to Taking Advantage of Modern Summaries*

Roy E. Welch, *Regression Diagnostics*

James Bucklew, *Quantization*

Ulf Grenander, *Recent Work in Pattern Theory*

Ronald L. Iman, *Uncertainty Analysis and Sensitivity in Risk Assessment*

Bernard Harris, *System Reliability*

Robert Tibshirani, Tutorial on *The Bootstrap*, 20-21 October

Jagdish Chandra (Chairman), Special Session on *Recent Developments in Statistics*, 6 papers

DOE 31: 23-25 October 1985, Mathematics Research Center, University of Wisconsin, Madison, WI

Jerome Sacks, Keynote Address

Marion R. Reynolds, Jr., *Approaches to Statistical Validation of Simulation Models*

Daryl Pregibon, *An Expert System for Data Analysis*

Howard Wainer, *How to Display Data Badly*

Gouri K. Bhattacharrya, *Accelerated Life Tests*

Nozer D. Singpurwalla (Chairman), Special Session on *Using Expert Opinions and Expert Systems in Reliability and Maintainability*, 4 papers

Bernard Harris, Tutorial on *Combinatorics*, 21-22 October

DOE 32: 29-31 October 1986, Army Combat Development Experimentation Center (CDEC), Fort Ord, CA, held in Monterey, CA

George E.P. Box, *Statistical Design, Analysis for Quality Improvement*

Walter T. Federer, *Statistical Analysis of Intercropping Experiments*

Persi Diaconis, *The Search for Randomness*

Emanuel Parzen, *Quantile Statistical Data Analysis*

Stuart Geman, *Some Applications of Bayesian Image Analysis*

William D. West (Chairman), Special Session on *Field Experimentation: The Analysis of Messy Data*, 3 papers

James R. Thompson, Tutorial on *Density Estimation Modeling and Simulation*, 27-28 October

DOE 33: 21-23 October 1987, University of Delaware and Army Ballistic Research Laboratories, held in Newark, DE

J. Stuart Hunter, *Statistics and the Learning Process*

Toby J. Mitchell, *A Bayesian Approach to the Design and Analysis of Computational Experiments*

Albert Paulson, *A Generalized Likelihood Approach to Experimental Design, Data Analysis, and Modeling*

William A. Gale, *Structural Statistical Knowledge for Expert Systems*

Howard M. Taylor, *The Effect of Size on Material Strength*

Roy Welch, Tutorial on *Regression Diagnostics*, 19-20 October

DOE 34: 19-21 October 1988, White Sands Missile Range, held at New Mexico State University, Las Cruces, NM

Herbert A. David, *Some Applications of Order Statistics*

Emanuel Parzen, *Two Sample Functional Statistical Analysis*

Edward J. Wegman, *Parallel Coordinate Density Plots*

Donald L. Igelhart and Peter W. Glynn, *Computational and Statistical Issues in Discrete-Event Simulation*

Ronald R. Hocking, *Diagnostic Methods – Variance Component Estimation*

Ali Hadi, Tutorial on *Sensitivity Analysis in Linear Regression*, 17-18 October

DOE 35: 18-20 October 1989, TRADOC Test and Experimentation Command Center (TEC), Fort Ord, held in Monterey, CA (Earthquake Conference)

Robert Bechhofer, *An Appraisal of Several Multistage Selection Procedures*

David W. Scott, *Statistical Data Analysis*

William J. Conover, *Latin Hypercube Sampling, a Way of Saving Computer Runs*

Gary Koch, *An Overview of Statistical Methods for Categorical Data*

D. Hue McCoy (Chairman), Special Session on *Statistical Issues Related to Combat Modeling*, 3 papers

Ronald R. Hocking, Tutorial on *Analysis of Linear Models with Unbalanced Data*, 16-17 October

DOE 36: 17-19 October 1990, University of Delaware and Army Ballistic Research Laboratories, held in Newark, DE

Robert E. Bechhofer and David M. Goldsman, *Design of Experiments for Comparing the Performance of Several Multi-Stage for Selecting the Normal Population Having the Largest Mean When the Populations Have a Common Variance*

Paul A. Tukey, *Some Graphical Techniques for Data Analysis*

Howard M. Taylor, *Stochastic Models for Particles in a Moving Fluid*

Erik V. Nordheim, *Statistical Consulting*

Arthur E. Hoerl, *Ridge Regression in Practice*

John C. Bailar (Banquet), *John C. Bailar's Law of Data Analysis*

Russell R. Barton, Tutorial on *Graphical Design of Experiments*, 15-16 October

DOE 37: 23-25 October 1991, Army Engineering Waterways Experiment Station, Vicksburg, MS

Geoffrey Watson, *The Use in Simulation in Statistical Inference*

Edward J. Wegman, *The Straight Scoop on Wavelets and Nonparametric Function Estimation*

Isabella Verdinelli, *A Bayesian Look at Experimental Design*

Emanuel Parzen, *Change Analysis*

Ian McKeague, *Identification of Nonlinear Time Series from First Order Cumulative Characteristics*

William H. DuMouchel, *Bayesian Meta Analysis*

H. Joseph Newton, Tutorial on *Applied Time Series Analysis* *, 21-22 October

DOE 38: 28-30 October 1992, RAND Corporation, Santa Monica, CA

Donald P. Gaver, *Simulation and Modeling in the Military: Statistical Issues and Opportunities*

David W. Scott, *Visualization of Response Surfaces in Several Variables*

Nozer D. Singpurwalla, *Statistical Methods in Software Engineering*

James J. Rissanen, *Information Theory and Statistics: The MDL – A Tutorial*

L. Mark Berliner, *Chaotic Systems and Statistics*

Malcolm S. Taylor and Kevin M. Beam (Chairmen), Special Session on *Logistics*, 3 papers

Noel Cressie, Tutorial on *Statistics for Spatial Data*, 26-27 October

DOE 39: 20-22 October 1993, Rice University, Houston, TX

Emanuel Parzen, *Beyond Classical Statistical Methods: Why and How*

Katherine B. Ensor, *Properties of Simulation Based Estimators of Stochastic Processes*

Wei-Yin Loh, *Tree-Structured Statistical Methods*

Nozer Singpurwalla, *On the Reliability of Emergency Diesel Generators at U.S. Nuclear Plants*

Jayaram Sethuraman, *Contamination of Failure Data Can Change Nature of Failure Rate and Explain the Strength of Long Life Units*

Dennis Cox, *Estimating Parameters in Complex Computer Codes: Designing the Computer Experiment*

David W. Scott, Tutorial on *Multivariate Density Estimation and Visual Clustering*, 18-19 October

DOE 40: ??-?? October 1994, US Military Academy, West Point, NY

Marion R. Bryson

Douglas Tang

Peter John

James R. Thompson

Edward J. Wegman

Douglas Montgomery, Tutorial on *Design of Experiments*, ??-?? October

ACAS 1: 18-20 October 1995, Army Research Laboratory, Adelphi, MD

W.J. Conover, *Statistics in the Year 2000 – Where Are We Going?*

John W. Green, *Hypothesis Testing vs. Regression Modeling in Toxicology*

W. Max Woods, *How Knowledge About Wear-out Can Be Used to Reduce Time-Truncated Demonstration Testing*

Roy Reynolds, *The Role of Analysis in Developing the Future Force*

James E. Gentle, *Multicriteria Optimization in Statistical Design and Estimation*

Eugene Dutoit (Chairman), Special Session on *Advanced Warfighting Experiments*, 3 papers

Wei-Yin Loh, Tutorial on *Tree-Structured Methods*, 16-17 October

ACAS 2: 23-25 October 1996, TEXCOM Experimentation Center, Fort Hunter Liggett, held in Monterey, CA

C.R. Rao, *Pre and Post Least Square: The Emergence of Robust Inference*

Ulf Grenander, *A Pattern Theoretic Approach to ATR*

Herman Chernoff, *Improving Use of Statistics in Army Test and Evaluation*

Walter Hollis, *From Stopwatch to Computer: The Transition of Experimentation at Fort Hunter Liggett*

Marion Bryson, *Evolution of Experimentation at Fort Hunter Liggett in the 1970s and 1980s*

Rob Kass, *Some Examples of Bayesian Inference*

James Prouty and Bill West (Chairmen), Special Sessions on *Experimentation at Fort Hunter Liggett: Overview and Early Years*, 3 papers, and *Special Aspects*, 3 papers
Brian Barr (Moderator), Panel Discussion on *The Future of Field Experimentation*, with Ernest Seglie, Walter W. Hollis, and Marion R. Bryson
Philip E. Coyle, III (Banquet)
James R. Thompson, Tutorial on *Quality Control: Modeling the Deming Paradigm*, 21-22 October

ACAS 3: 22-24 October 1997, George Mason University, Fairfax, VA

Thomas Hettmansperger, *Kruskal-Wallis, Multiple Comparisons, and Efron Dice*
Jeffrey Birch and James E. Mays, *Model Robust Regression: Motivation, Results, and Applications*
Lyle H. Ungar, *Building Reliable, Interpretable Models Using Neural Networks*
Judea Pearl, *Simpson's Paradox and Its Practical Implications*
Donald Berry, *Bayesian Statistics: Attitudes and Methods*
Carey E. Priebe, *Nonparametric Discriminant Analysis in High Dimensions via Generalized Interpoint Distances*
J. David Cooke, *Novel Visual Representations of Movement*
Eric Lagergren, *Recent Developments in Robust Design*
Edward Wegman and Dan Carr, Tutorial on *Virtual Reality and Scientific Visualization*, 20-21 October

ACAS 4: 21-23 October 1998, New Mexico State University, Las Cruces, NM and TRAC-WSMR, White Sands, NM

James R. Thompson, *Data, Models, Reality: Statisticians in the New Age*
Richard Laferriere and Stephen Robinson, *Scenario Analysis in U.S. Army Decision Making*
John Bart Wilburn, *Exploring a Syntactical Structure of Features in Imagery*
Frank Samaniego, *Linear Data Fusion*
Sanford Weisberg, *Some Graphics for Logistic Regression*
Boris L. Rozovskii, *State Estimation in Hidden Markov Models with Distributed Observation*
Clare Voss and Ann Brodeen (Organizers), Special Session on *Statistical Issues in Natural Language*, 3 papers
David Olwell (Organizer), Special Session on *Inference Based on Combat Simulations*, 4 papers
Roy Reynolds (Director), Special Session on *Tools of the Trade: TRAC-WSMR Models and Simulations*, demonstrations and talks
Nozer Singpurwalla, Tutorial on *Bayesian Statistical Inference: Principles, Techniques, and Applications*, 19-20 October

ACAS 5: 19-21 October 1999, US Military Academy, West Point, NY

Edward J. Wegman, *Data Mining and Visualization: Some Strategies*

Jayaram Sethuraman, *Reduction in Predictive Ability Caused by Discretization of the Independent Variable J*

Ingram Olkin, *Methods for Combining the Results of Independent Studies*

Daryl Pregibon, *2001: A Statistical Odyssey*

Charles McCulloch, *An Introduction to Generalized Linear Mixed Models*

David Banks, *Mining Superlarge Datasets*

Wei-Yin Loh, Tutorial on *Data Mining with Decision Trees*, 17-18 October

ACAS 6: 18-20 October 2000, Rice University, Houston, TX

Nozer Singpurwalla, *Warranty Contracts and Equilibrium Probabilities*

Stuart Gemen, *Variance and Invariance in Machine Vision*

Alan Agresti, *Challenges for Categorical Data Analysis in the 21st Century*

Noel A.C. Cressie, *A Spatial-Temporal Statistical Approach to Problems in Command and Control*

Emanuel Parzen, *Quantile/Quartile Plots, Conditional Quantiles, Comparison Distributions*

Donald Berry, *Innovative Bayesian Designs in Clinical Trials*

Naomi Oreskes *Conceptual Issues in Model Assessment: What Can We Learn from Past Mistakes?*

Marek Kimmel (Organizer), Special Session on *Biological Warfare*, 2 papers

Edward Wegman (Organizer), Special Session on *Digital Government*, 3 papers

Arthur Fries (Organizer), Special Session on *Highlights of the June 2000 "National Research Council Workshop on Reliability Issues for DoD System"*, 2 papers

Matthew Caffrey (Banquet), *Lessons from the History of Wargaming*

James Thompson (Luncheon), *Some Thoughts on the Statistical Legacy of John W. Tukey*

Sallie Keller-McNulty and other members of the Statistical Sciences Group, Tutorial on *Data, Knowledge, and Information Integration to Support Decision Making*, 16-17 October

ACAS 7: 24-26 October 2001, Los Alamos National Laboratory, held at Bishop's Lodge, Santa Fe, NM

David W. Scott, *On a New Approach to Robust Estimation*

Leo Breiman, *Predicting and Understanding Complex Data*

W.J. Conover, *Some Locally Most Powerful Rank Tests for Correlation*

Bin Yu, *Boosting with the L2 Loss: Regression and Classification*

William Meeker, *Accelerated Testing: Obtaining Reliability Information Quickly*

Juergen Symanzik, *Visual Data Mining of Remote Sensing Data*

Alyson Wilson (Chairman), Special Session on *Case Studies in Elicitation and Quantification of Expertise and Expert Judgment*

Gene Dutoit (Chairman), Special Session on *Urban Warfare*, 4 papers

Edward Wegman (Chairman), Special Session on *Information Assurance*, 3 papers

Jas. Mercer-Smith (Banquet), *Overview of Stockpile Stewardship*

David Hosmer, Tutorial on *Applied Logistic Regression*, 22-23 October

ACAS 8: 30 October – 1 November 2002, Army Research Office, held at North Carolina State University, Raleigh, NC

Alan Agresti, *Improving Confidence Intervals for Proportions, Differences of Proportions, and Odds Ratios*

David Marchette, *A Study of Denial of Service Attacks on the Internet*

Frank Samaniego, *Stress-Strength Testing: Some Classical Approaches and Some New Formulations and Results*

Carey Priebe, *Random Disambiguation Paths*

Russell Wolfinger, *A Microassay Lesson from Dear Old DAD (Design-Analyze-Display)*

Steve Marron, *SiZer for Simple, Direct Inference in Exploratory Data Analysis*

James R. Thompson (Banquet), *Considerations of Inspection for Homeland Security with Cross Linkages to Quality Control, Game Theory, and Stochastic Simulation*

Leonard Stefans (Chairman), *Special Session on Statistical Research At North Carolina State University*, 4 papers

Edward J. Wegman (Chairman), *Special Session on Statistical Software*, 3 papers

Wendy Martinez (Chairman), *Special Session on Command, Control And Communication*, 3 papers

Edward J. Wegman and Jeff L. Solka, *Tutorial on Statistical Data Mining*, 28-29 October

ACAS 9: 29-31 October 2003, University of California-Davis, held in Napa Valley, CA

Brad Carlin, *Hierarchical Models for Spatio-Temporally Correlated Public Health Data*

S. Rao Jammalamadaka, *Directional Distributions in Shape Analysis*

Jerome Friedman, *Predictive Data Mining with Multiple Additive Regression Trees*

Adrian Raftery, *Calibrated Probabilistic Weather Forecasting via Bayesian Model Averaging*

Hari Iyer, *Generalized Inference in Mixed Linear Models*

Mike Hamada, *Bayesian Methods for Assessing System Reliability*

Edward J. Wegman (Chairman), *Special Session on Microarrays*, 3 papers

Art Fries (Chairman), *Special Session on Homeland Security*, 3 papers

Tom Zeberlein and Alyson G. Wilson (Organizers), *Special Session on Beyond Software Reliability*, 2 papers

Jagdish Chandra and Robert Launer (Organizers), *Special Session on Robust and Resilient Critical Infrastructure*, 5 papers

Hildegard Heymann (Banquet), *Quantitative Sensory Evaluation of Food and Wine*

Charles McCulloch, *Tutorial on Generalized Linear Mixed Models*, 27-28 October

ACAS 10: 20- 22 October 2004, U.S. Army Research Laboratory, held at Georgia Tech, Atlanta, GA

Ron Brookmeyer, *Models for Anthrax: Antibiotics and Vaccines*

Douglas M. Bates and Paul Bliese, *Mixed-Effects Models for Organizational Data*

David Banks, *Data Mining in Homeland Defense*

Bill Szewczyk, *Streaming Data*

Mark Vangel, *Consensus Inference in Multi-Subject fMRI: An Old Problem Meets a New Technology*

Russell Lenth, *Techniques for Sample Size*

Carey Priebe and Ed Wegman *Statistical Text Processing*

Jeff Wu, Special Session on *Recent Advances in Engineering Statistics*

Ramani S. Pilla and Catherine Loader, Special Session on *The Volume-of-Tube Formula, Perturbation, Mixture Models and Applications*

John W. Loonsk (Banquet)

Dan Carr, George Mason University, Tutorial on *Quantitative Graphics and Visual Analytics for Communication and Discovery*, 18-19 October