

Department of Statistics
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Degrees

B.A. Carleton College, 1963, with major in Mathematics and Distinction on the Comprehensive Examination.

Ph.D. in Statistics—University of California, Berkeley, 1967.

D. Sci (hon.). Carleton College, 2005.

Professional Experience

1967-79: Department of Statistics, University of Wisconsin, Madison; Assistant Professor, 1967-71; Associate Professor, 1971-75; Professor, 1975-79.

1969 Summer: Statistical Consultant, Bell Telephone Laboratories, Holmdel, New Jersey.

1972-73: Visiting Associate Professor of Statistics, University of Chicago.

1976-77: Guggenheim Fellow; Visiting Professor, University of Chicago, January-June 1977.

1978-79: Fellow at the Center for Advanced Study in the Behavioral Sciences, Stanford, California.

1979-present: Professor of Statistics, University of Chicago; Chairman, 1986-92, 2005-. Faculty appointments in the Department of Statistics, the Social Sciences Collegiate Division, the Physical Sciences Collegiate Division, and the Committee on Conceptual and Historical Studies of Science (Co-Chair, 2002-03).

1992-present: Ernest DeWitt Burton Distinguished Service Professor, University of Chicago.

1979-82: Editor, *Journal of the American Statistical Association: Theory and Methods*.

1982-87: Member, Board of Directors of the Social Science Research Council (Treasurer 1983-84, Secretary 1984-1986, Executive Committee 1986-87).

1986-92, 1993-99, Member, Board of Trustees of the Center for Advanced Study in

- 2000–06: the Behavioral Sciences (Chairman of the Board, 1995-99, 2002-05).
- 1991-95: Member, Committee for the Study of Research-Doctorate Programs in the United States, National Research Council.
- 1993, April; 1999, December: Visiting Scholar, Ecole des Hautes Etudes en Sciences Sociales, Paris.
- 1993-94: President, Institute of Mathematical Statistics.
- 1994-95: Member, Committee on the Forensic Use of DNA, National Research Council.
- 1995-99: Member, Council, American Academy of Arts and Sciences.
- 1998–2009: Member, Board of Trustees of JSTOR.
- 2009–...: Member, Board of Trustees of ITHAKA.
- 2003-2005: President, International Statistical Institute (Member, Council, 1999-2001, 2005-2007; President-Elect, 2001-2003).

Published Research

Books

1. *American Contributions to Mathematical Statistics in the Nineteenth Century* (Editor). Two Volumes, Arno Press, New York, 1980.
2. *The History of Statistics: The Measurement of Uncertainty before 1900*. The Belknap Press of the Harvard University Press, Cambridge, Massachusetts, 1986. [Korean translation (by Jae Keun Jo) 2005, Hangilsa Publishing Co., Ltd.]
3. *Statistics on the Table: The History of Statistical Concepts and Methods*. Harvard University Press, Cambridge, Massachusetts, 1999. [All India Publishers & Distributors, New Delhi, 2010]
4. *R. R. Bahadur's Lectures on the Theory of Estimation* (Editor, with Wing Hung Wong and Daming Xu). Institute for Mathematical Statistics, Beachwood, Ohio, 2002.

Articles

1. "Linear Functions of Order Statistics." *Annals of Mathematical Statistics*, June 1969, Vol. 40, pp. 770-788.

2. "The Use of Random Allocation for the Control of Selection Bias." *Biometrika*, December 1969, Vol. 56, pp. 553-560.
3. "Statistical Properties of the Buddy System." (By P. W. Purdom, Jr. and S. M. Stigler) *Journal of the Association for Computing Machinery*, October, 1970, Vol. 17, pp. 683-697.
4. "Estimating the Age of a Galton-Watson Branching Process." *Biometrika*, December, 1970, Vol. 57, pp. 505-512.
5. "Optimal Experimental Design for Polynomial Regression." *Journal of the American Statistical Association*, June, 1971, Vol. 66, pp. 311-318.
6. "The Estimation of the Probability of Extinction and Other Parameters Associated with Branching Processes." *Biometrika*, December, 1971, Vol. 58, pp. 499-508.
7. "Statistical Investigation of Three Storage Allocation Algorithms." (By P. W. Purdom, Jr., S. M. Stigler, and T. O. Cheam) *BIT (Nordisk Tidskrift for Informations Behandling)*, Bind 11, Hefte Nr. 2, 1971, pp. 187-195.
8. "Cloud Seeding Experiments: Possible Bias." *Science*, Vol. 173, p. 850 (August 27, 1971).
9. "Completeness and Unbiased Estimation." *The American Statistician*, April 1972, Vol. 26, No. 2, pp. 28-30.
10. "The Asymptotic Distribution of the Trimmed Mean." *Annals of Statistics*, May 1973, Vol. 1, pp. 472-477.
11. "Simon Newcomb, Percy Daniell, and the History of Robust Estimation, 1885-1920." *Journal of the American Statistical Association*, December 1973. Invited Paper, Vol. 68, pp. 872-879. [Reprinted in Book 1., and in *Studies in the History of Statistics and Probability*, Vol. 2. Edited by M. G. Kendall and R. L. Plackett, 1977, pp. 410-417.]
12. "Laplace, Fisher, and the Discovery of the Concept of Sufficiency." *Biometrika*, December 1973, Vol. 60, pp. 439-445. [Reprinted in *Studies in the History of Statistics and Probability*, Vol. 2. Edited by M. G. Kendall and R. L. Plackett, 1977, pp. 271-277.]
13. "Linear Functions of Order Statistics with Smooth Weight Functions." *Annals of Statistics*, July 1974, Vol. 2, pp. 676-693. (Correction note, March 1979, Vol. 7, p. 466.)
14. "Cauchy and the Witch of Agnesi: An Historical Note on the Cauchy Distribution." *Biometrika*, August 1974, Vol. 61, pp. 375-380. [Revised in *Statistics on the Table*]

15. "Gergonne's 1815 Paper on the Design and Analysis of Polynomial Regression Experiments." *Historia Mathematica*, November 1974, Vol. 1, pp. 431-447.
16. "Napoleonic Statistics: The Work of Laplace." *Biometrika*, August 1975, Vol. 62, pp. 503-517.
17. "The Transition from Point to Distribution Estimation." *Proceedings of the 40th session of the ISI*, Warsaw, September 1975. In *Bulletin of the International Statistical Institute*, Vol. 46, Book 2, pp. 332-340.
18. "The Anonymous Professor Gergonne." *Historia Mathematica*, February 1976, Vol. 3, pp. 71-74.
19. "Laplace" (in part); "Peirce" (in part). In *International Encyclopedia of Statistics*. Ed. W. Kruskal and J. Tanur. New York: The Free Press, 1978.
20. "The Effect of Sample Heterogeneity on Linear Functions of Order Statistics, with Applications to Robust Estimation." *Journal of the American Statistical Association*, December 1976, Vol. 71, pp. 956-960.
21. "Do Robust Estimators Work with *Real Data*?" *Annals of Statistics*, (with discussion) November 1977, Vol. 5, pp. 1055-1098.
22. "Fractional Order Statistics, with Applications." *Journal of the American Statistical Association*, September 1977, Vol. 72, pp. 544-550.
23. "An Attack on Gauss, Published by Legendre in 1820." *Historia Mathematica*, March 1977, Vol. 4, pp. 31-35.
24. "Statistics." Article in *International Encyclopedia of Higher Education*, Ed. Asa S. Knowles. Jossey-Bass, San Francisco, 1977, Vol. 8, pp. 3950-3952.
25. "Eight Centuries of Sampling Inspection: The Trial of the Pyx." *Journal of the American Statistical Association*, September 1977, Vol. 72, pp. 493-500. [Revised in *Statistics on the Table*]
26. "Mathematical Statistics in the Early States." *Annals of Statistics*, March 1978, Vol. 6, pp. 239-265. [Reprinted in 1980 in Book 1 and in *A Century of Mathematics in America, Part III*, Ed. by Peter Duren, American Mathematical Society, Providence, RI, 1989, pp. 537-564.]
27. "Some Forgotten Work on Memory." *Journal of Experimental Psychology: Human Learning and Memory*, 1978, Vol. 4, pp. 1-4.
28. "Laplace's Early Work: Chronology and Citations." *Isis*, June 1978, Vol. 69, pp. 234-254.

29. "Francis Ysidro Edgeworth, Statistician," (with discussion). *Journal of the Royal Statistical Society, Series A*, 1978, Vol. 141, pp. 287-322. Reprinted 1992 (without discussion) in *Alfred Marshall (1842-1924) and Francis Edgeworth (1845-1926)*, Edited by Mark Blaug, No. 29 in Series Pioneers of Economics, Elgar Reference Collection, Aldershot. [Revised in *Statistics on the Table*]
30. "Psychological Functions and Regression Effect." *Science*, Vol. 206, p. 1430 (December 21, 1979).
31. "Stigler's Law of Eponymy." In *Science and Social Structure: A Festschrift for Robert K. Merton, Transactions N. Y. Acad. Sci. Series, 2*, Vol. 39, 1980, pp. 147-157. [Revised in *Statistics on the Table*]
32. "An Edgeworth Curiosum." *Annals of Statistics*, July 1980, Vol. 8, pp. 931-934.
33. "R. H. Smith, A. Victorian Interested in Robustness." *Biometrika*, April 1980, Vol. 67, pp. 217-221.
34. *Springer Statistics Calendar 1981*. Springer-Verlag, New York. Later, updated versions issued 1983, 1985, 1986, 1987, 1989.
35. "Regression Toward the Mean and the Study of Change," (with J. Nesselroade and P. Baltes). *Psychological Bulletin*, 1980, Vol. 87, pp. 622-637.
36. "Gauss and the Invention of Least Squares." *Annals of Statistics*, May 1981, Vol. 9, pp. 465-474. [Revised in *Statistics on the Table*]
37. "A Modest Proposal: A New Standard for the Normal." *American Statistician*, May 1982, Vol. 36, No. 2, pp. 137-138.
38. "Poisson on the Poisson Distribution." *Statistics and Probability Letters*, Vol. 1, 1982, p. 33-35.
39. "Winter Temperature as a Constraint to the Migration of Preindustrial Peoples," (with John W. M. Whiting and John A. Sodergren). *American Anthropologist*, June 1982, Vol. 84, pp. 279-298.
40. "Thomas Bayes's Bayesian Inference." *Journal of the Royal Statistical Society, Series A*, 1982, Vol. 145, pp. 250-258.
41. "Jevons as Statistician." *Manchester School*, December, 1982, Vol. 50, pp. 354-65. [Revised in *Statistics on the Table*]
42. "Arithmetic Mean," "Mansfield Merriman," "Simon Newcomb," "Adolphe Quetelet." Articles in *Encyclopedia of Statistical Sciences*. Wiley, New York, 1982-1985. ["Adolphe Quetelet" reprinted in *Leading Personalities in Statistical Sciences, From the Seventeenth Century to the Present*, (Edited by Norman L. Johnson and Samuel Kotz), John Wiley, New York, 1997, pp. 64-66.]

43. "Mass Extinctions in the Fossil Record: Reply," (with D. M. Raup and J. J. Sepkoski, Jr.). *Science*, March 11, 1983 (Vol. 219, pp. 1240-1241).
44. "Who Discovered Bayes's Theorem?" *American Statistician*, Nov. 1983, Vol. 37, No. 4, pp. 290-296. [Revised in *Statistics on the Table*]
45. "The Measurement of Uncertainty in Nineteenth-Century Social Science." In *Probability Since 1800: Interdisciplinary Studies of Scientific Development* (ed. by M. Heidelberger, L. Krüger, R. Rheinwald). Universitat Bielefeld, Bielefeld, 1983, pp. 131-138. Revised in *The Probabilistic Revolution*, Vol. 1 (Ed. by L. Krüger, L. J. Daston, M. Heidelberger), M.I.T. Press, Cambridge, Mass. 1987, pp. 287-292.
46. "Kruskal's Proof of the Joint Distribution of \bar{x} and s^2 ." *American Statistician*, May 1984, Vol. 38, No. 2, pp. 134-135.
47. "Boscovich, Simpson, and a 1760 Manuscript Note on Fitting a Linear Relation." *Biometrika*, December 1984, Vol. 71, pp. 615-620.
48. "The Kelvin Dictum and Social Science: An Excursion into the History of an Idea," (with Robert K. Merton and David L. Sills). *Journal of the History of the Behavioral Sciences*, October 1984, Vol. 20, pp. 319-331.
49. "Statistical Inference, Robustness, and Modeling Strategy: Introduction." In *The Collected Works of George E. P. Box* (Ed. by G. C. Tiao), Belmont: Wadsworth. (1984) Vol. I, pp. 3-6.
50. "The Probability of History." *International Statistical Institute, 45th Session, Amsterdam 1985, Contributed Papers, Book 2*, pp. 333-334.
51. "Laplace's 1774 Memoir on Inverse Probability." *Statistical Science*, August 1986, Vol. 1, pp. 359-378.
52. "John Craig and the Probability of History: From the Death of Christ to the Birth of Laplace." *Journal of the American Statistical Association*, December 1986, Vol. 81, pp. 879-887. [Revised in *Statistics on the Table*]
53. "Estimating Serial Correlation by Visual Inspection of Diagnostic Plots." *American Statistician*, May 1986, Vol. 40, No. 2, pp. 111-116.
54. "Precise Measurement in the Face of Error: A Comment on MacRoberts and MacRoberts." *Social Studies of Science*, May 1987, Vol. 17, pp. 332-334.
55. "Testing Hypotheses or Fitting Models? Another Look at Mass Extinctions." In *Neutral Models in Biology*. (Edited by M. Nitecki and A. Hoffman), New York: Oxford University Press (1987), pp. 147-159.

56. "The Science of Uncertainty," The 404th Convocation Address at The University of Chicago. *The University of Chicago Record*, 15 October 1987, Vol. 22, No. 1, pp. 4-5.
57. "The Dark Ages of Probability: The Seventeenth Century Work of Richard Cumberland and Thomas Strode." *International Statistical Review* , April 1988, Vol. 56, pp. 75-88. [Revised in *Statistics on the Table*]
58. "A Substantial Bias in Nonparametric Tests for Periodicity in Geophysical Data," (with Melissa J. Wagner). *Science* , 13 November 1987, Vol. 238, pp. 940-945.
59. "Edgeworth as a Statistician." In *The New Palgrave: A Dictionary of Economics*, Edited by J. Eatwell, M. Milgate, P. Newman (London: Macmillan; 1987), Vol. 2, pp. 98-99. [Reprinted in *Time Series and Statistics*, Edited by J. Eatwell, M. Milgate, P. Newman (London: Macmillan, 1990), pp. 69-72.]
60. "A Look Backward on the Occasion of the Centenary of JASA." *Journal of the American Statistical Association*, September 1988, Vol. 83 pp. 583-587.
61. "Testing for Periodicity of Extinction: Response," (with Melissa J. Wagner). *Science* , 1 July 1988, Vol. 241, pp. 96-99.
62. "Francis Galton's Account of the Invention of Correlation." *Statistical Science* , May 1989, Vol. 4, pp. 73-86.
63. "The Role of Probability Models in Statistical Inference in 19th Century Europe," *Proceedings of the 47th session of the ISI*, Paris, August 1989. Published as *Bulletin of the International Statistical Institute*, Vol. 53, Book 1, pp. 157-162.
64. "A Galtonian Perspective on Shrinkage Estimators." *Statistical Science*, February 1990, Vol. 5, pp. 147-155.
65. "Stochastic Simulation in the Nineteenth Century." *Statistical Science*, February 1991, Vol. 6, pp. 89-97. [Revised in *Statistics on the Table*]
66. [Published as #116]
67. "Apollo Mathematicus: A Story of Resistance to Quantification in the Seventeenth Century." *Proceedings of the American Philosophical Society*, March 1992, Vol. 136, No. 1, pp. 93-126. [Revised in *Statistics on the Table*]
68. "A Historical View of Statistical Concepts in Psychology and Educational Research." *American Journal of Education*, Nov. 1992, Vol. 101, pp. 60-70. [Revised in *Statistics on the Table*]
69. "Karl Pearson and Quasi-Independence." *Biometrika*, 1992, Vol. 79, pp. 563-575. [Revised in *Statistics on the Table*]

70. "Erastus Lyman DeForest." Pp. 337-339 in Vol. 6 of *American National Biography*, ed. John A. Garraty and Mark C. Carnes, New York: Oxford University Press, 1999.
71. "Jevons on the King-Davenant Law of Demand: A Simple Resolution of a Historical Puzzle." *History of Political Economy*, Vol. 26, No. 2, Summer 1994, pp. 185-191. [Revised in *Statistics on the Table*]
72. "Citation Patterns in the Journals of Statistics and Probability." *Statistical Science* Vol. 9, No. 1, Feb. 1994, pp. 94-108.
73. "Competition and the Research Universities." *Daedalus*, Fall 1993, Vol. 122, No. 4, pp. 157-177. Reprinted in *The Research University in a Time of Discontent*, Edited by Jonathan R. Cole, Elinor G. Barber, and Stephen R. Graubard, Johns Hopkins Univ. Press, 1994.
74. "Ten Books on Probability & Statistics Every Statistician Should Own." *Stats*, Fall 1993, No. 10, p. 19.
75. "Some Correspondence on Methodology Between Milton Friedman and Edwin B. Wilson; November-December 1946." *Journal of Economic Literature*, Vol. 32 (Sept. 1994), pp. 1197-1203.
76. "W. Edwards Deming: 1900-1993." *The Institute of Mathematical Statistics Bulletin*, Vol. 23, No. 1, January/February 1994, pp. 6-7.
77. "The Journals of Economics," (with G. J. Stigler and C. Friedland). *Journal of Political Economy*, Vol. 103, No. 2, April 1995, pp. 331-359. Reprinted in *Publishing Economics: Analyses of the Academic Journal Market in Economics*, Edited by Joshua S. Gans, Cheltenham, UK: Edward Elgar, 2000, pp. 197-227.
78. "Daniel Bernoulli, Leonhard Euler, and Maximum Likelihood." In *Festschrift for Lucien LeCam* (D. Pollard, E. Torgersen, G. Yang, Eds.) New York: Springer-Verlag, 1997, pp. 345-367. [Revised in *Statistics on the Table*]
79. "Normative Terminology: "Normal" in Statistics and Elsewhere," (with W. H. Kruskal). Chapter 5 (pp. 85-111) in *Statistics and Public Policy* (Bruce Spencer, Ed.), Oxford: Oxford University Press, 1997. [Revised in *Statistics on the Table*]
80. "The Bernoullis of Basel." *Journal of Econometrics*, Vol. 75, No. 1 (Nov. 1996), pp. 7-13.
81. "Edwin Bidwell Wilson." *Encyclopedia of Statistical Science* (S. Kotz, C. B. Read, D. L. Banks, Eds.), Update Volume 1, pp. 545-546. New York: Wiley (1997). [Reprinted in *Leading Personalities in Statistical Sciences, From the Seventeenth Century to the Present*, (Edited by Norman L. Johnson and Samuel Kotz), John Wiley, New York, 1997, pp. 344-346.]

82. "Churchill Eisenhart, 11 March 1910-25 June 1994." *ISIS*, 86:3 (1995), pp. 455-456.
83. "Statistics and the Question of Standards." *Journal of Research of the National Institute of Standards and Technology* Vol. 101, No. 6, Nov.-Dec. 1996, pp. 779-789. [Revised in *Statistics on the Table*]
84. "Galton and Identification by Fingerprints." *Genetics*, July 1995, 140:857-860. [Revised in *Statistics on the Table*]
85. "Robert Adrain (1775-1843)." *Oxford Dictionary of National Biography*, Oxford University Press, 2004.
86. "Jerzy Neyman." Pp. 368-370 in Vol. 16 of *American National Biography*, ed. John A. Garraty and Mark C. Carnes, New York: Oxford University Press, 1999.
87. "Chandra and Isaac Newton." In *S. Chandrasekhar; the Man Behind the Legend*, Edited by K. C. Wali, Imperial College Press, London, 1997, pp. 195-200.
88. "Rating, not ranking." *Proceedings of the National Academy of Science*, Aug. 20, 1996, Vol. 93, No. 17, pp. 8818-8819.
89. "The History of Statistics in 1933." *Statistical Science*, August 1996, Vol. 11, pp. 244-252. [Revised in *Statistics on the Table*]
90. "Regression towards the Mean, Historically Considered." *Statistical Methods in Medical Research* 6:103-114 (1997). [Revised in *Statistics on the Table*]
91. "Adolphe Quetelet: Statistician, Scientist, Builder of Intellectual Institutions". In Actualité et universalité de la pensée scientifique d'Adolphe Quetelet, Actes du Colloque organisé à l'occasion du bicentenaire de sa naissance, Palais des Académies, 24-25 octobre 1996. Mémoire de la Classe des Sciences de l'Académie royale de Belgique 3e série, 8: 47-61. [Revised in *Statistics on the Table*]
92. "Raghu Raj Bahadur, 1924-1997." *The Institute of Mathematical Statistics Bulletin*, Vol. 26, 1997.
93. "The Foundations of Statistics at Stanford." *American Statistician*, August, 1999, Vol. 53, pp. 263-266.
94. "International Statistics at the Millennium: Progressing or Regressing?" *Proceedings of the 52nd session of the ISI*, Helsinki, August 1999. Published as *Bulletin of the International Statistical Institute*, Book 1, pp. 11-13. Revised and expanded in *International Statistical Review* (2000) 68: 111-121. Reprinted in Russian translation in *Statistics of Ukraine* 2000, No. 4 (11), pp. 11-15.
95. "Ancillary History." In Mathisca C.M. de Gunst, Chris A.J. Klaassen, Aad W. van der Vaart, (eds.), *State of the Art in Probability and Statistics; Festschrift for*

Willem R. van Zwet, Institute of Mathematical Statistics, Lecture Notes--
Monograph Series, Vol. 36, 2001, pp. 555-567.

96. "The Problematic Unity of Biometrics." *Biometrics*, September 2000, Vol. 56, pp. 653-658. [See also "Reply to comment", Vol. 57, p. 643, 2001]
97. "P. S. Laplace, *Théorie Analytique des Probabilités*, First Edition (1812); *Essai philosophique sur les probabilités*, First Edition (1814). Chapter 24, pp. 329-340, in *Landmark Writings in Western Mathematics, 1640-1940* (I. Grattan-Guinness, Editor), Amsterdam: Elsevier, 2005.
98. "The Missing Early History of Contingency Tables." *Annales de la Faculté des Sciences de Toulouse*, Séries 6, Volume XI (2002), pp. 563-573.
99. "Statisticians and the History of Economics." *Journal of the History of Economic Thought*, Vol. 24, pp. 155-164, June 2002
100. "RR Bahadur." Article for *Encyclopedia of Statistical Sciences*, 2nd Edition.
101. "George J. Stigler (1911-1991): A Remembrance and Appreciation Session, Stigler as Father and Mentor". *American Journal of Economics and Sociology*, July 2002, Vol. 61, pp. 611-617.
102. "W. Edwards Deming." (with Stephen E. Fienberg). In *Statisticians of the Centuries*, (Ed by C. C. Heyde and E. Seneta), pp. 485-489, New York: Springer-Verlag, 2001.
103. "Casanova, 'Bonaparte', and the Loterie de France." *Journal de la Société Française de Statistique*, 2003, Vol. 144, pp. 5-34.
104. "Mathematical Statistics and the ISI (1885-1939)." *Proceedings of the 54th session of the ISI*, Berlin, August 2003.
105. Comment on Thomas Bayes (September 10, 1701-April 7, 1761). *Statistical Science*, Volume 19, No. 1, pp. 39-40 (2004). [Estimating Bayes's birthdate.]
106. "Casanova's Lottery" *The University of Chicago Record*, Volume 37, Number 4, June 12, 2003, pp. 2-5.
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107. "Correlation and Causation: A Comment," *Perspectives in Biology and Medicine*, Vol. 48, No. 1 supplement (Winter 2005), pp. S88-S94.
108. "Robert K. Merton: Memorial." *Scientometrics*, Vol. 60, No. 1 (2004), pp. 89-92.
109. "Message from the President." *ISI Newsletter*, Vol. 27, n. 3, 2003, p. 2; Vol. 28, No. 1, 2004, p. 2; Vol. 28, No. 2, 2004, p. 2; Vol. 28, No. 3, 2004, p. 2;

110. "Statistics and the Wealth of Nations." *International Statistical Review* (2005) 73: 223-226.
111. "Fisher in 1921." *Statistical Science*, February 2005, 20: 32-49.
112. "How Ronald Fisher became a mathematical statistician." *Revue Mathématiques et Sciences humaines/Mathematics and Social Sciences* (2006) 44^e année, n° 176, 2006(4), pp. 23-30.
113. "Does the American Statistical Association Have a Future?" *Amstat News*, August 2004 (Issue #326), pp 2-3. Reprinted in *RSS News*, Vol. 32, No. 4, Dec. 2004, pp. 8-9.
114. "Isaac Newton as a Probabilist." *Statistical Science* August 2006, Vol. 21, No. 3, pp. 400-403.
115. "Chance and the Prepared Mind." Carleton College Commencement Address, June 11, 2005. <http://apps.carleton.edu/events/commencement/05speeches/stigler/>. Abstract in Carleton College *Voice*, Volume 70, No. 5, Supplement 2005, also <http://apps.carleton.edu/voice/2005supplement/feature4.php>
116. "Aaron Director Remembered." *The Journal of Law and Economics*, October 2005, Vol. 48 (2), pp. 307-311. Spanish translation in *Revista de Economía y Derecho*, June 2006.
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119. "In Memoriam: Professor Emeritus Frederick Mosteller" *ISI Newsletter*, Vol. 30, n. 3, 2006, pp. 4-5.
120. "Obituary: Jack Silber". (with Stephen Fienberg). *AmStat News* October 2006 (Issue #352), p.42. Also *IMS Bulletin* October 2006, p. 15.
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122. "The Epic Story of Maximum Likelihood." *Statistical Science* November 2007, Vol. 22, No. 4, pp. 598-620.
123. "Obituary: Milton Friedman". *IMS Bulletin* March 2007, Vol. 36, Issue 2, p. 8.

124. "The Pedigree of the International Biometrics Society." *Biometrics* June 2007, Vol. 63, pp. 317-321.
125. "The William Kruskal Legacy: 1919-2005." (With Stephen E. Fienberg and Judith M. Tanur). *Statistical Science* May 2007, Vol. 22, No. 2, pp. 255-261.
126. "William Kruskal Remembered." *Statistical Science* May 2007, Vol. 22, No. 2, pp. 275-276.
127. "Karl Pearson's Theoretical Errors and the Advances They Inspired." *Statistical Science* May 2008, Vol. 23, No. 2, pp. 261-271.
128. "Remembering Karl Pearson After 150 Years." *STATS: The Magazine for Students of Statistics*, Issue 49 (2008), pp. 3-4.
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130. "The Honorable Erich L. Lehmann." In *Institute of Mathematical Statistics: Lecture Notes-Monograph Series*, Volume 57 (Third Lehmann Symposium Volume), pp. 8-10, 2009.
131. "More Juice, Less Punch." (with Jonathan R. Cole). *New York Times* Dec. 22, 2007, Op Ed.
132. "Fisher and the 5% Level". *Chance*, Fall 2008, Vol. 21, No. 4, p. 12.
133. "Darwin, Galton and the Statistical Enlightenment." *Journal of the Royal Statistical Society, Series A*, 2010, Vol. 173 (Part 3, July), pp. 469-482.
134. "The Changing History of Robustness." *The American Statistician* November 2010, Vol. 64, No. 4, pp. 277-281.
135. "The History of the University of Chicago's Department of Statistics." To appear in Springer volume edited by Alan Agresti and Xiao-Li Meng.
136. "The History of the University of Wisconsin's Department of Statistics." (with Norman R. Draper and Richard A. Johnson) To appear in Springer volume edited by Alan Agresti and Xiao-Li Meng.

Reviews, Letters, and Contributions to Discussion

1. Review of *Engineering Statistics*, 2nd Edition, by A. H. Bowker and G. J. Lieberman. *Journal of the American Statistical Association*, June 1973, Vol. 68, p. 501.
2. "Weather Modification." Letter to the Editor of *Science*, August 31, 1973 (Vol. 181), No. 4102, pp. 799-800).

3. Review of *Lectures in Probability Theory and Mathematical Statistics*, by S. Zubrzycki, *Journal of the American Statistical Association* (December 1973), Vol. 68, p. 1030.
4. Rejoinder to letter, "Is Complete Really the Right Name?" by D. E. Johnson and J. D. Kubiecek. *The American Statistician*, (December 1973, Vol. 27, p. 241).
5. Contribution to Discussion of "Experience with Forecasting Univariate Time Series and the Combination of Forecasts," by P. Newbold and C. W. J. Granger, *Journal of the Royal Statistical Society, Series A*, Vol. 137, Part 2, 1974, pp. 157-158.
6. Contribution to Discussion of "On Re-reading R. A. Fisher," by L. J. Savage, *Annals of Statistics*, May 1976, Vol. 4, pp. 498-500.
7. Invited Discussion for Session on Robust Inference, 40th Session of International Statistical Institute, Warsaw, September 1-9, 1975. *Bulletin of the I.S.I.*, Vol. 46, Book 1, pp. 383-4.
8. Review of *Probability Theory: A Historical Sketch*, by L. E. Maistrov, and *The Life and Times of the Central Limit Theorem*, by W. J. Adams. *Journal of the American Statistical Association*, December 1975, Vol. 70, pp. 957-959.
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17. "AAAS Elections and Equal Rights," (with V. L. Stigler). Letter to the Editor of *Science*, February 15, 1980 (Vol. 207, p. 712).
18. Contribution to the Discussion of "Sampling and Bayes's Inference in Scientific Modelling and Robustness," by George E. P. Box, *Journal of the Royal Statistical Society*, Series A, 1980, Vol. 143, pp. 424-425.
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21. "AAAS Elections: Regression Toward the Mean," (with V. L. Stigler). Letter to the Editor of *Science*, January 22, 1982 (Vol. 215, p. 348).
22. Contribution to the Discussion of "Parametric Empirical Bayes Inference: Theory and Applications," by Carl N. Morris, *Journal of the American Statistical Association*, 1983, Vol. 78, pp. 62-63.
23. Reply to letters, "A Modest Proposal: A New Standard for the Normal," by L. LaMotte, and "On the Current Standard for the Normal," by J. Mann. *American Statistician*, Feb. 1983, Vol. 37, No. 1, pp. 95-96.
24. Review of *Authorship Puzzles in the History of Economics: A Statistical Approach*, by D. P. O'Brien and A. C. Darnell. *Journal of Economic History*, June 1983, Vol. 43, pp. 547-550.
25. Contribution to the Discussion of "A Coherent View of Statistical Inference for Public Science," by George A. Barnard. *Statistics Technical Report Series 1985*, Department of Statistics & Actuarial Science, University of Waterloo, pp. 75-76.
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27. Review of *The Boole-De Morgan Correspondence 1842-1864*. Edited by G. C. Smith, *Journal of the American Statistical Association*, Dec. 1984, Vol. 79, pp. 947-948.
28. "Can You Identify These Mathematicians?" *The Mathematical Intelligencer*, Vol. 6, No. 4, pp. 72 and 78, (1984).
29. "Terrestrial Mass Extinctions and Galactic Plane Crossings." Letter to *Nature*, 10 January, 1985, Vol. 313, p. 159.

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31. Review of *American Medicine and Statistical Thinking, 1800-1860*, by James H. Cassedy. *Journal of the History of the Behavioral Sciences*, April 1985, Vol. 21, pp. 193-195.
32. Review of *Exposition de la theorie des chances et des probabilites*, by A. A. Cournot, edited by Bernard Bru. *Annals of Science*, Vol. 43 (1986), pp. 203-204.
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37. "Statistical Science." Letter to *The Institute of Mathematical Statistics Bulletin*, May/June 1989, Vol. 18, No. 3, p. 348.
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42. Review of *Histoire de la Statistique*, by J.-J. Dreesbeke and P. Tassi. *Short Book Reviews*, Dec. 1990, Vol. 10, No. 3, p. 42.
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45. "The Odds of Retirement." Letter to the Editor of *Science*, Vol. 263, 25 March 1994, pp. 1670-1671.

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47. Review of *Companion Encyclopedia of the History and Philosophy of the Mathematical Sciences*, ed. by I. Grattan-Guinness, *Annals of Science*, Vol. 52, No. 2, Mar. 1995, pp. 204-205.
48. Review of *Edgeworth on Chance, Economic Hazard, & Statistics*, ed. by P. Mirowski, *Journal of the American Statistical Association*, June 1995, Vol. 90, No. 430, pp. 803-804.
49. "The IMS President's Remarks of the Opening Ceremony" *The Institute of Mathematical Statistics Bulletin* July/August 1994, Vol. 23, No. 4, pp. 481-483.
50. "President's Report 1993-1994." *The Institute of Mathematical Statistics Bulletin*, September/October 1994, Vol. 23, No. 5, pp. 537-541.
51. Review of *Condorcet: Arithmétique Politique, Textes Rares ou Inédits (1767-1789)*, B. Bru and P. Crépel (Eds.) *Short Book Reviews*, April 1995, Vol. 15, No. 1, pp. 1-2.
52. Review of *Pierre-Simon Laplace, Philosophical Essay on Probabilities*, A. Dale (Trans.). *Short Book Reviews*, August 1995, Vol. 15, No. 2, p. 1.
53. Review of *Theoria Combinationis Observationum Erroribus Minimis Obnoxiae* by Carl Friedrich Gauss, G. W. Stewart (Trans.). *Short Book Reviews*, December 1995, Vol. 15, No. 3, p. 41.
54. Review of *Quantification and the Quest for Medical Certainty*, J. Rosser Matthews. *American Journal of Sociology*, July 1996, Vol. 102, No. 1, pp. 278-280.
55. Review of *Error and the Growth of Experimental Knowledge*, by D. G. Mayo, *Short Book Reviews*, Apr. 1997, Vol. 17, No. 1, p. 1.
56. "Postface" to Charles-François Biquilley, *Théorie élémentaire du commerce*, Édition critique et commentée, par Pierre Crepel. Paris: Aléas, 1995, pp. 229-232.
57. Review of *Fitting Linear Relationships: A History of the Calculus of Observations, 1750-1900*, by R. W. Farebrother, *Short Book Reviews*, August 1999, Vol. 19, No. 2, p. 21.
58. Invited Discussion for Session on History, 52nd Session of International Statistical Institute, Helsinki. *Bulletin of the I.S.I.*, 1999, Tome 57 Book 3, pp. 67-68.
59. Invited Discussion for Session on Thomas Bayes, 53rd Session of International Statistical Institute, Seoul. To appear *Bulletin of the I.S.I.*, 2001, Tome 58.

60. Review of *Cardano's Cosmos. The Worlds and Works of a Renaissance Astrologer*, by Anthony Grafton, *Short Book Reviews*, 2001, Vol. 21, No. 1, p. 11.
61. "The Fingerprint Controversy." *Issues in Science and Technology*, Winter 2004, Vol. 20, No. 2, pp.11-12.
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64. "Scaling the Cycles" [Letter on tests of periodicity in the fossil record] *American Scientist* Sept.-Oct. 2005, Vol. 93, p. 389.
65. Review of *Dice, Cards, Wheels; A Different History of French Culture*," by Thomas M. Kavanagh, *Nineteenth-Century French Studies* (Winter 2007), Vol 35, No. 2, pp. 456-457.
66. Review of *Selected Statistical Papers of Sir David Cox*. *Sankhya* (2006) 68(1): 167-169.
67. Review of *Pierre Simon Laplace 1749-1827: A Determined Scientist*, by Roger Hahn. *J. of the History of Astronomy* (February, 2007).
68. Discussion contribution to "William Sealy Gosset", by Sandy Zabell. *JASA* (March 2008) Vol. 103, pp. 7-8.
69. Discussion contribution to "Statistical Analysis of an Archeological Find", by Andrey Feuerverger. *Annals of Applied Statistics* Vol. 2, No. 1, pp. 55-56 (2008).
70. Introduction to "R. A. Fisher in the 21st Century," in *The Science of Bradley Efron, Selected Papers*, Ed. by Carl N. Morris and Robert Tibshirani, New York: Springer (2008), p. 344.
71. "CSI: Mendel". Review of *Ending the Mendel-Fisher Controversy*, by Allan Franklin, A. W. F. Edwards, D. J. Fairbanks, D. L. Hartl, and Teddy Seidenfeld. *American Scientist* Vol. 96, No. 5 (Sept-Oct 2008), pp. 425-426.

PH.D. STUDENTS SUPERVISED

Alan Agresti—Thesis: "Bounds on the Extinction Time Distribution of a Branching Process."(1972).

William Davis—Thesis: "Some Robust Inference Techniques in Time Series."(1974).

Hermann Habermann—Thesis: “Estimation of Transition Matrices with Application to Empirical Bayes Methodology.” (1975).

Lee-Jen Wei—Thesis: “The Design of Sequential Experiments.” (1975).

Annick Dion—Thesis: “The Rate of Convergence to Normality of Trimmed Means.” (1978).

Robert Kass—Thesis: “The Riemannian Structure of Model Spaces; A Geometrical Approach to Inference.” (1980).

Xiaojing Xiang—Thesis: “Asymptotic Theory for Linear Functions of Ordered Observations.” (1992).

Sangun Park—Thesis: “Fisher Information in Order Statistics.” (1994).

Berna Eden—Thesis: “The One and the Many of Frequentism.” (1997).

Debra Daugherty—Thesis: “Elaborating The Crystal Concept: Scientific Modeling and Ordered States of Matter.” (2007) (with Leo Kadanoff)

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES

Académie royale de Belgique, Classe des Sciences
American Academy of Arts and Sciences
American Association for the Advancement of Science
American Philosophical Society
American Statistical Association
Bernoulli Society
British Society for the History of Science
History of Science Society
Institute of Mathematical Statistics
International Statistical Institute
Phi Beta Kappa
Royal Statistical Society
Sigma Xi
Statistical Society of Canada

AWARDS, HONORS

Standard Oil Award for Excellence in Teaching, 1971
Fellow of the American Academy of Arts and Sciences, elected 1987
Fellow of the Institute of Mathematical Statistics, elected 1976
Fellow of the American Statistical Association, elected 1976
Guggenheim Fellowship, 1976-77
Fellow of the American Association for the Advancement of Science, elected 1981

Fellow at the Center for Advanced Study in the Behavioral Sciences, 1978-79
Outstanding Statistician of the Year, Chicago Chapter of the A.S.A., 1993
Quantrell Award for Excellence in Undergraduate Teaching, 1998
Distinguished Achievement Award, Carleton College Alumni Association, 2003
Doctor of Science (Hon.), Carleton College, 2005
Humboldt Foundation Research Award, 2005
Member of the American Philosophical Society, elected 2006
Membre Associé of the Académie royale de Belgique, Classe des Sciences, elected 2010

SPECIAL INVITED LECTURES

Special Invited Paper, Annual Meeting of the Institute of Mathematical Statistics, New Haven, Connecticut, August 1976.

The S. S. Wilks Lecture, Princeton University, March 1977.

Royal Statistical Society, March 1978.

The Allen Craig Lecture, University of Iowa, April 1986.

The Robert Ferber Lecture, University of Illinois, May 1986.

The 13th Fisher Memorial Lecture (biennial, jointly sponsored by the Royal Society of London, the Royal Statistical Society, the Biometric Society, and the Genetical Society), given at University College London, September 1986.

The 404th Convocation Address at the University of Chicago, March 1987.

The Jerzy Neyman Memorial Lecture, Annual Meeting of the Institute of Mathematical Statistics, Fort Collins, Colorado, August 1988.

The Churchill Eisenhart Memorial Lecture, National Institute of Standards and Technology, May 1995.

The IMS Presidential Address, Annual Meeting of the Institute of Mathematical Statistics, Chicago, August 1996.

President's Invited Address, ISI Session at Helsinki, 13 August 1999.

The Presidential Invited Address at the Annual Meeting of the Eastern North American Region of the International Biometric Society, Chicago, March 21, 2000.

Plenary Lecture, the History of Economics Society, Wake Forest NC, June 29, 2001.

Plenary Lecture, Journées de Statistique (annual meeting of the Société Française de Statistique), Brussels, Belgium, May 13, 2002.

President's Invited Address, Statistical Society of Canada, Hamilton, Ontario, Canada,
May 27, 2002.

The 2003 Nora and Edward Ryerson Lecture, University of Chicago, March 6, 2003.

The Morris H. DeGroot Memorial Lecture, Carnegie Mellon University, September 12,
2003.

The Mitchell Lecture, University of Glasgow, April 28, 2004.

The Presidential Invited Anniversary Address at the International Biometric Conference,
Montreal, July 18, 2006.

The Lucien LeCam Lecture, Annual Meeting of the Institute of Mathematical Statistics,
Rio de Janeiro, August 2, 2006.

The Hermann Otto Hirschfeld Lectures, Berlin, October 9-10, 2006.

Invited Lecture, Swiss Statistical Society, Lucerne, November 16, 2007.

The Keynote Address, Annual Meeting of the Society for Judgment and Decision
Making, Chicago, November 15, 2008.

The Donald H. Clanton Lectures, Furman University, March 26, 2009.

The Campion Lecture, Annual Conference of the Royal Statistical Society, Edinburgh,
September 10, 2009.

The Herbert A. David Lecture, Iowa State University, March 22, 2010

The Chemerda Lectures, Pennsylvania State University, April 26-27, 2010

Keynote Address, ICORS Prague, June 28, 2010.

The World Statistics Day Lecture, ISI Calcutta, October 20, 2010

The Inaugural Karl Pearson Lecture, University College London, January 18, 2011