

VITA

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Educational History:

Ph.D., Political Science, 1986, University of Oklahoma
major field - public administration
MPA, Master of Public Administration, 1984, University of Oklahoma
major field - urban management
B.A., Sociology, 1978, Austin College, Sherman, TX.

Areas of Expertise and Teaching:

- (1) Expertise - General Public Administration/Management (2) Leadership and Leadership Development (3) Process Improvement and Quality Improvement (4) Decision-Making/Optimization (5) Change Management (6) Executive Training Education (7) Neuroscience and Leadership/Management
- (2) Teaching – classes across the MPA curriculum. Currently teaching PhD level classes in Leadership, Change Management and Decision-Making.
- (3) Twenty years of executive education experience – ranging from government to business executives to medical doctors.

Employment History

1/05-Present - Professor of Public Affairs and Administration, School of Economic, Political and Policy Sciences, University of Texas at Dallas

7/02-12/04 - Professor of Public Administration and Political Economy, School of Social Sciences,

University of Texas at Dallas. Coordinator Master of Public Affairs Program, School of Social Sciences. Coordinato - Doctoral Program in Public Affairs, School of Social Sciences. Adjunct Professor of Community Medicine, University of Texas Southwestern Medical School.

9/98-Present -Professor of Public Administration and Political Economy, School of Social Sciences, University of Texas at Dallas. Adjunct Professor of Community Medicine, University of Texas Southwestern Medical School.

9/92-8/98 - Associate Professor of Public Administration and Political Economy, School of Social Sciences, University of Texas at Dallas.

5/93-5/96 - Director - Master of Public Affairs Program, Associate Professor of Public Administration and Political Economy, School of Social Sciences, University of Texas at Dallas. Directed the production of the first accreditation report for the MPA program resulting in the initial accreditation of the program by the National Association of Schools of Public Affairs and Administration (NASPAA).

9/86-8/92 - Assistant Professor of Public Administration and Political Economy, University of Texas at Dallas.

7/84-12/86 Coordinator of research project on "The Future of Management Education and Development", sponsored by The American Assembly of Collegiate Schools of Business. Project resulted in book, Lyman W. Porter & Lawrence E. McKibbin, Management Education and Development: Drift or Thrust into the 21st Century". (New York:McGraw Hill, 1988).

8/85-8/86 - Visiting Assistant Professor of Political Science and Business Administration, University of Oklahoma.

9/83-5/84 - Graduate Teaching Assistant, Division of Management, College of Business Administration, University of Oklahoma.

9/79-12/83 - Graduate Teaching Assistant, Department of Political Science, University of Oklahoma.

Publications

Book Authored:

Managing Chaos and Complexity in Government: A New Paradigm for Managing Change, Innovation and Organizational Renewal. (Jossey-Bass: San Francisco), 246 pages, 1994. This book received the 1994-1995 "Best Book Award" from the Public and Nonprofit Sector Division of the

Academy of Management.

Books Edited:

Knowledge Management, Organizational Intelligence and Learning and Complexity L. Douglas Kiel (Ed.) (UNESCO, Paris, France:EOLSS) forthcoming 2008 – E-Book.

Nonlinear Dynamics, Complexity and Public Policy, Euel Elliott and L. Douglas Kiel (Eds.) (Commack, NY: Nova Science Publishers) 2000.

Chaos Theory in the Social Sciences: Foundations and Applications, L. Douglas Kiel and Euel Elliott, eds. (The University of Michigan Press:Ann Arbor, MI) 349 pages, 1996. Note - also published in paperback form August 1997.

Other Edited Volumes:

Encyclopedia of Life Support Systems. Theme Section – Knowledge Management, Organizational Intelligence and Learning and Complexity edited and submitted for publication, 42 chapter length articles. This volume is the equivalent of 3, fourteen chapter books. Submitted UNESCO – throughout 2001 and early 2002. Final publication – 2003.

Co-Editor with Brian J.L. Berry and Euel Elliott, Proceedings of the National Academy of Sciences, "Adaptive Agents, Intelligence and Emergent Human Organization: Capturing Complexity through Agent-Based Modeling" forthcoming, April 2002. Includes 24 articles.

Refereed Journal Articles:

With Douglas Watson (Eds.), "Introduction" Economic Development Quarterly, Mini-Symposium on Disaster Management and Economic Development (August 2006).

With Douglas Watson (Eds.), "Introduction" Public Works Policy and Management, Special Issue on Disaster Management and Public Works, (May 2006).

With Jennifer Holmes and Sheila Pineres, "Reforming Government Agencies Internationally: Is There a Role for the Balanced Scorecard", The International Journal of Public Administration 2006, 29:12, pp. 1125-1145.

L. Douglas Kiel, "A Primer for Agent-Based Modeling in Public Administration: Exploring Complexity in "Would-Be" Administrative Worlds, Public Administration Quarterly. Fall/Winter2005, Vol. 29 Issue 3/4, p268-296

with Euel Elliott, "Agent-Based Modeling in the Social and Behavioral Sciences", Nonlinear Dynamics, Psychology and the Life Sciences , April 2004.

with Euel Elliott, "A Complex Systems Approach for Developing Public Policy Toward Terrorism: An Agent-Based Approach", Chaos, Solitons and Fractals, January 2004.

"The evolution of nonlinear dynamics in political science and public administration: Methods, modeling and momentum", Discrete Dynamics In Nature And Society, 5 (4): 265-279 2001.

with Euel Elliott, "Long Wave Economic Cycles, Techno-Economic Paradigms and the Pattern of Reform in American Public Administration", Administration and Society. January 1999, 30(6), pp. 616-639.

with Barry Seldon, "Measuring Temporal Complexity in the External Environment: Nonlinearity and the Bounds of Rational Action", American Review of Public Administration. September 1998, 28(3), pp. 246-265.

"Embedding Chaotic Logic Into Public Administration Thought", Public Administration and Management: An Interactive Journal, Fall 1997. This is a refereed electronic journal. The editorial board includes leading Public Administration scholars such as R. Golembiewski.

with Carole Funk and Anthony Champagne, "Two Party Competition and Trial Court Elections in Texas", Judicature, May/June, 1994, 77 (6), 290-293.

"Nonlinear Dynamical Analysis: Assessing Systems Concepts in a Government Agency", Public Administration Review, 53 (2), March/April 1993, 143-153.

"Implementing a Microcomputer-based Work Reporting and Monitoring System for Government Services: A Case Study", Journal of End User Computing, 5(1), Winter, 1993, 18-26.

"Lessons from the Nonlinear Paradigm: Advancing Paradigmatic Progress in the Policy Sciences", Systems Research, 9(2), 1992, 27-42.

with Euel Elliott, "Budgets as Dynamic Systems: Change, Variation, Time and Budgetary Heuristics", Journal of Public Administration Research and Theory, 2(2), April 1992, 139-156.

with Robert F. Lusch, and B.G. Schumacher, "Toward a New Paradigm for Marketing: The Evolutionary Exchange Paradigm", Behavioral Science, 37(1), January 1992, 59-76.

"Lessons from the Nonlinear Paradigm: Applications of the Theory of Dissipative Structures in the Social Sciences," Social Science Quarterly, 72(3), September 1991, 431-442

"Nonequilibrium Theory and Its Implications for Public Administration," Public Administration Review, 49(6) November/December 1989, 544-551.

"Thematic Mapping With Microcomputers: Graphic Display of Social Scientific Data", Social Science Computer Review, 6(1), Spring 1988, 197-209.

"Requiring Computer and Information Systems Courses in MPA Curricula: A Report of Faculty Opinion", Social Science Microcomputer Review, 5(3), Fall 1987, 341-346.

"Information Systems Education in Masters Programs in Public Affairs and Administration", Public Administration Review. 46, Special Edition on Public Management Information Systems, November 1986, 590-594.

Chapters in edited volumes:

Kiel, L. Douglas "Chaos in Social Systems: Assessment and Relevance" In Understanding Change: Models, Methodologies and Metaphor, (Eds.) Andreas Wimmer and Reinhard Kossler, London: Palgrave, 2005.

Kiel, L.D. (2002) "Knowledge Management, Organizational Intelligence and Learning, and Complexity", In Knowledge for Sustainable Development - An Insight into the Encyclopedia of Life Support Systems, vol. III, UNESCO Publishing /EOLSS Publishers, 849-874. Presented at the Rio +10 Summit on Sustainable Development, Johannesburg, South Africa, September 2002

with Brian J.L Berry and Euel Elliott, "Introduction" in B.L. Berry, L.D. Kiel and E. Elliott (Eds.) "Adaptive Agents, Intelligence and Emergent Human Organization: Capturing Complexity through Agent-Based Modeling" Proceedings of the National Academy of Sciences, May 2002.

with Euel Elliott, Commentary on "Cooperation and Competition as Factors in Emergent Human Organization" in B.L. Berry, L.D. Kiel and E. Elliott (Eds.) "Adaptive Agents, Intelligence and Emergent Human Organization: Capturing Complexity through Agent-Based Modeling" Proceedings of the National Academy of Sciences, May 2002.

"Introduction" with Euel Elliott. In Nonlinear Dynamics, Complexity and Public Policy, Euel Elliott and L. Douglas Kiel (Eds.) (Commack, NY: Nova Science Publishers) 2000.

"The Sciences of Complexity and Public Administration: Complexity as Challenge and Goal". In G. Morcol & L. Dennard (Eds.). The New Sciences for Public Administration and Policy: Connections and Reflections. Urke, VA: Chatelaine Pubs. 2000.

"Nonlinear Dynamics, Complexity and Public Policy: Use, Misuses and Applicability", with Euel Elliott. In Chaos, Complexity and Sociology, Raymond Eve, Sara Horsfall and Mary Lee (eds.), pp. 64-78, (Sage Pub.: Beverly Hills, CA), 1997.

"Introduction" with Euel Elliott in Chaos Theory in the Social Sciences: Foundations and

Applications, L. Douglas Kiel and Euel Elliott, eds., pp. 1-15. (The University of Michigan Press:Ann Arbor, MI) 1996.

"Exploring Nonlinear Dynamics with a Spreadsheet: A Graphical View of Chaos for Beginners" in Chaos Theory in the Social Sciences: Foundations and Applications, L. Douglas Kiel and Euel Elliott, eds., pp. 19-30. (The University of Michigan Press:Ann Arbor, MI) 1996.

Contributor to Lyman W. Porter & Lawrence E. McKibbin, Management Education and Development: Drift or Thrust into the 21st Century. (New York:McGraw Hill, 1988). Wrote initial draft of Chapter 6 "Teaching", pp. 148-160.

Reprinted Articles:

with Barry Seldon, "Measuring Temporal Complexity in the External Environment: Nonlinearity and the Bounds of Rational Action", American Review of Public Administration. September 1998, 28(3), pp. 246-265. Reprinted in Peter E. Earl (ed.) The Legacy of Herbert Simon in Economic Analysis, Chpt. 21. Edward Elgar: Gloster, UK.

Nonlinear Dynamical Analysis: Assessing Systems Concepts in a Government Agency", Public Administration Review, 53 (2), March/April 1993, 143-153. Reprinted in Classics of Organization Theory, J. Shafritz and S. Ott (eds.) (Wadsworth:Belmont, CA, 1996, pp. 592-606).

OP/ED Publications

"Keep Policy Aligned with Strategy for Smooth Ride", Federal Times, August 29, 2001, p. 13.

Monographs/Conference Proceedings:

"Chaos Theory and Disaster Response Management: Lessons for Managing Periods of Extreme Instability" in proceedings of "What Disaster Response Management Can Learn from Chaos Theory" conference held in Sacramento, CA, May 1995, California Research Bureau, California State Library, published June 1996, pp. 186-210. Over 800 copies of proceedings distributed world wide.

Book Reviews:

Book Review of John Urry, Global Complexity, Polity Press in American Journal of Sociology, Fall 2003:755-756.

Book Review Essay, The Many Paths of Public Service: Entrance, Learning and Reflection, Public Administration Review July/August, 2003.

Review of Louise K. Comfort, "Shared Risk: Complex Systems in Seismic Response"
Journal of Contingencies and Crisis Management, September 2002, vol. 10, no. 3, pp. 148-149.

Review of "Virtual worlds: Synthetic universes, digital life and complexity" by Heudin J C,
JASSS-The Journal Of Artificial Societies And Social Simulation , 4 (3): U256-U258 JUN 2001.

Review of Courtney Brown, Serpents in the Sand: Essays on the Nonlinear Nature of Politics and Human Destiny, American Political Science Review. March 1997, 91:(1), 165.

Review of Lee Sproull and Sara Kiesler, Connections: New Ways of Working in the Networked Organization, Social Science Computer Review. Summer 1993, 11(2), 267-269.

Review of Colin J. Bennett, Regulating Privacy: Data Protection and Public Policy in Europe and the United States, Social Science Computer Review. Spring 1995, 13(2), 285-286.

Works in Progress:

"In over our Heads: How the Modern workplace undermines opportunities for change." (In progress)

"Change Capability Analysis: A model for determining the capabilities of organizations to cope with change" (In progress)

Honors/Professional Recognition:

Keynote Speaker – August 2005 – Annual Conference of the Society for Chaos Theory in Psychology and the Life Sciences. Denver, CO.

8/95 Book Award - Received the 1994-1995 "Best Book Award" from the Public and Nonprofit Sector Division of the Academy of Management, for my Managing Chaos and Complexity in Government: A New Paradigm for Managing Change, Innovation and Organizational Renewal. (Jossey-Bass: San Francisco) 1994.

4/96 - presented Will Mann Richardson Lecture - Austin College, Sherman, TX. - purpose "... is to bring outstanding individuals to campus to discuss pertinent issues in economics and banking, law and government."

7/96 While serving as first ever Director of the Master of Public Affairs Program, School of Social Sciences, led the production of the Program's Self-Study report leading to accreditation by National Association of Schools of Public Affairs and Administration.

1996 The Classics of Organization Theory, by J. Shafritz and S. Ott (eds.) (Wadsworth:Belmont, CA, 1996) includes a chronology of classic works in organization theory. This chronology is approximately 10 pages. Works such as Adam Smith's, *The Wealth of Nations* and Herbert Simon's, *Administrative Behavior* are included in this chronology. My 1994 book noted above was chosen for this chronology, and is the only contribution noted in the chronology for 1994. My 1993 article that is reprinted in this volume is noted in the chronology under 1993 as an important contribution to the literature.

12/93 1993, Public Administration Review article, finalist for Frederick Mosher award for best article for 1993.

9/86 Ph.D.dissertation nominated by Political Science Department, University of Oklahoma for consideration for Leonard D. White Award, granted to top dissertation in the field of public administration by the American Political Science Association.

85-86 Baldwin-Study Travel Award for Excellence in Undergraduate Teaching, University of Oklahoma.

9/85 Passed Ph.D. general exams with distinction.

83-84 Selected Outstanding Graduate Teaching Assistant, College of Business Administration University of Oklahoma.

81-82 Selected Outstanding Graduate Teaching Assistant, Department of Political Science, University of Oklahoma.

Recent Executive Education Experience:

2002- Present – Leadership Center – School of Management, University of Texas at Dallas. Founding Faculty member – train corporate managers in leadership skills.

1997-Present - Alliance for Medical Management Education - Adjunct Professor of Community Medicine, University of Texas Southwestern Medical School. This appointment is through the Alliance for Medical Management Education. This appointment resulted from my initial work in curriculum development and management training with the Alliance for Medical Management Education. The Alliance is a joint program between the U.T. Southwestern Medical School and the School of Management at the University of Texas at Dallas. The Alliance provides business training to medical doctors. Students can obtain a Masters degree in Medical Management by completing eight separate weeklong modules and completing a thesis. I usually teach in two modules per year (thus about 80 hours per year). The curriculum for the degree emulates the standard MBA curriculum. My teaching responsibilities include leadership, general management,

organizational behavior and change management

Invited faculty, Project Management Program, School of Management, University of Texas at Dallas. Involves training business executives and engineers in quantitative decision methods. Approximately 18 hours of student contact per year.

Member, North Texas Board of William P. Hobby Certified Public Manager Program. I train mid-to senior level government managers in the areas of quality and productivity improvement. Involves approximately 30 hours of in-class training per year.

Academic/Professional Service:

Managing Editor – International Review of Public Administration

Editorial Board – The Journal of Leadership and Research

Editorial Board - Nonlinear Dynamics in Psychology and the Life Sciences

2/99 – Invited to London, England to review proposals for United Kingdom’s Economic and Social Research Council for funding of Complexity Research.

Manuscript Reviewer - for journals such as Public Administration Review, Social Science Quarterly, Sociological Methods and Research, Journal of Public Administration Research and Theory, Administration and Society, American Political Science Review, American Journal of Political Science

From 1986 to present – multiple presentations at professional meetings and conferences in areas ranging from information management to chaos theory applications in health care.