VITA

KENNETH A. LEWIS

Personal Information

Home Address: 5 Dare Drive, Glen Farms

Elkton, MD 21921 (410) 398-9096

Office Address: Department of Economics

University of Delaware Newark, DE 19716 (302) 831-1912

Fax Number: (302) 831-6968

Date of Birth: May 18, 1941

Marital Status: Married, three children

Education

Ph.D., Economics, Princeton University, 1969 B.A., Economics, Amherst College, 1963

Employment History and Professional Activities

1992-present	University of Delaware, Chaplin Tyler Professor
1980-present	University of Delaware, Professor of Economics
1977-present	State of Delaware, Economic Financial Advisory Council, member
1977-present	State of Delaware, Economic Financial Advisory Council, Revenue Forecasting
	Subcommittee, Chair
2009-present	University of Delaware, Center for Applied Business and Economic Research,
	Director
1976-2009	University of Delaware, Associate Chair, Department of Economics
1973-80	University of Delaware, Associate Professor of Economics
1969-73	Boston College, Assistant Professor of Economics
1967-69	Boston College, Instructor
1965	Sun Oil Company, Operations Research Analyst
1964	Sun Oil Company, Computer Programmer

Professional Affiliations

American Economics Association Econometric Society Southern Economic Association

Awards and Fellowships

College of Business and Economics, Student Advisory Board, Student Choice Teacher Award, May 2014 College of Business and Economics, Lerner College Outstanding Outreach/Service Award, May 2014 College of Business and Economics, University of Delaware, Outstanding Teacher Award, 2010 College of Business and Economics, University of Delaware, Student Choice Excellence in Undergraduate

Teaching Award, 2002

University of Delaware, Mentor's Circle, 2001

College of Business and Economics, University of Delaware, Service Award, 1998

College of Business and Economics, University of Delaware, Undergraduate Teaching Award, 1996 University of Delaware, Excellence in Teaching Award, 1977

College of Business and Economics Council, University of Delaware, Outstanding Teaching Award, 1974, 1980, 1986, 1992

University of Delaware, Admission to the Faculty of the Graduate College, 1973

Textile Research Institute Fellow, 1965-67

Woodrow Wilson Fellowship, Princeton University, 1964-65

Earhart Fellowship, 1963-64

Teaching Areas

Under graduate

Monetary Economics
Mathematical Economics
Macroeconomics
Econometric Modeling
Econometrics

Graduate

Mathematical Economics Econometrics Macroeconomics Econometric Modeling

Ph.D. Dissertation

Textile Mill Fiber Consumption in the United States

Publications

"Did the 2008 Rebate Fail? A Response to Taylor and Feldstein. (with L. Seidman), <u>Journal of Post Keynesian</u> Economics, Winter 2011-2012, Vol. 34, No. 2, p183-204.

"Replace the AMT and Estate Tax with an AGI Surtax." (with L. Seidman), Tax Notes, April 11, 2011.

"A Temporary Federal Discount Program to Stimulate Consumer Spending." (with L. Seidman), <u>Business Economics</u>, October 2010, Vol.45, No. 4, p244-252.

"Does Fiscal Stimulus Cause Too Much Debt?" (with L. Seidman), <u>Business Economics</u>, October 2009, Vol. 4, No. 4, p201-205.

"Two Ways to Tax Very High-Income Households." (with L. Seidman), <u>Tax Notes</u>, June 22, 2009, Vol. 123, No. 12, p1466-1471.

"Practical Problems Confronting a Carbon Tax or Permit Treaty." (with L. Seidman), <u>National Tax</u> Association 2008 Proceedings, 2010.

"A Surtax on High-Income Households on the 1040: Consumption versus Income." (with L. Seidman), National Tax Association 2008 Proceedings, 2010.

"Compensations and Contributions under an International Carbon Treaty." (with L. Seidman), <u>Journal of Policy Modeling</u>, May-June 2009, Vol. 31, Issue 3, p341-350.

- "Overcoming the Zero Interest-Rate Bound: A Quantitative Prescription", (with L. Seidman), <u>Journal of Policy Modeling</u>, 2008.
- "A Temporary Tax Rebate in a Recession: Is it Effective and Safe," (with L. Seidman), <u>Business Economics</u>, 41(3), July 2006.
- "Replacing the Medicare Drug Doughnut Hole with Percent-of-Income Ceilings Using Tax Returns,' (with L. Seidman), National Tax Association Proceedings of the 2005 98th Annual Conference, 2006.
- "A Fiscal Policy to Counter Recessions: Triggered Transfers to Households," (with L. Seidman), in the volume, <u>The Means to Prosperity: Fiscal Policy Reconsidered</u>, edited by Berglund, Per G. and Matias Vernengo, Routledge, 2006.
- "Managing a Bulge: Policy Options for Social Security," (with L. Seidman), <u>Public Finance Review</u>, 32(4), July 2004.
- "The Later You Pay, the Higher the K," (with L. Seidman), Southern Economic Journal, 69(3), January 2003
- "A New Design for Automatic Fiscal Policy," (with L. Seidman), <u>International Finance</u>, 5(2), Summer 2002.
- "Funding Social Security: The Transition in a Life-Cycle Growth Model" (with L. Seidman), <u>Eastern Economic Journal</u>, 28(2), Spring 2002.
- "The Consumption Tax and Transitional Relief" (with L. Seidman), <u>Journal of Macroeconomics</u>, 23(1), Winter 2001.
- "Transitional Protection During Conversion to a Personal Consumption Tax" (with L. Seidman), <u>Public Finance Review</u>, 28(2), March 2000.
- "The Consumption Tax and Saving Elasticity" (with L. Seidman), National Tax Journal,, LII (1), March 1999.
- "The Impact of Converting to a Consumption Tax When Saving Propensities Vary: An Empirical Analysis" (with L. Seidman), International Tax and Public Finance, 5(4), October/November 1998.
- "Conversion To A Consumption Tax In A Growth Model With Heterogeneity" (with L. Seidman), <u>Journal</u> of Macroeconomics, 20(4), Fall 1998.
- "The Design of a Tax Rule for Owner-Occupied Housing Under a Personal Consumption Tax" (with L. Seidman), <u>Public Finance Review</u>, 25(1), January 1997.
- "An Optimal Greenhouse Tax in an Optimal Growth Model" (with L. Seidman), <u>Southern Economic</u> Journal, 63(2), October 1996.
- "Cultural and Institutional Determinants of Economic Growth: A Cross-Section Analysis," (with B. Abrams), Public Choice, 83, 1995.
- "A Phased Increase in the U. S. Investment Rate: Sacrifice Times, T-Year Gains, and Investment Rate Returns" (with L. Seidman), <u>The Journal of Policy Modeling</u>, 16(6), 1994.
- "Math-Time Capital Matters: A Cross-Country Analysis" (with L. Seidman), <u>Economics of Education</u> Review, 13(3), 1994.

"The Impact of Raising the U.S. Investment Rate on the Wage of Low-Educated Labor," (with L. Seidman), Journal of Macroeconomics, 15(3), Summer 1993.

"Human Rights and the Distribution of U.S. Foreign Aid," (with B. Abrams), Public Choice, 77(4), 1993.

"Increasing the Saving Rate: An Analysis of the Transition Path," (with L. Seidman), in <u>The Economics of Saving</u>, James Gapinski (ed.), Kluwer Academic Publishers, 1993.

"Bank Bailouts and the Conduct of Monetary Policy" (with J. Butkiewicz), <u>Southern Economic Journal</u>, pp. 501-509, October 1991.

"The Transition Path in a Growth Model: The Sato Controversy Revisited" (with L. Seidman), <u>Journal of Macroeconomics</u>, 13(3), Summer 1991.

"The Quantitative Consequences of Raising the U.S. Saving Rate" (with L. Seidman), <u>The Review of Economics and Statistics</u>, LXXIII (3), August 1991.

"Estimating the Cost of Equity Capital for Electric Utilities, Market-to-Book Recovery, and the Theory of Regulation: 1969-1984," Land Economics, May 1988.

"A Median-Voter Model of Economic Regulation" (with B. Abrams), Public Choice, 52, 1987.

"The Effect of Information Costs on Regulatory Outcomes" (with B. Abrams), <u>Journal of Economics and Business</u>, 39, 1987.

"Deregulation and Rail-Truck Competition: Evidence from a Translog Transport Demand Model for Assembled Automobiles" (with D. Widup), <u>Journal of Transport Economics and Policy</u>, May 1982.

"New Evidence on the Achievement of Wealth Neutrality in School Finance" (with D. Black and C. Link), <u>Journal of Human Resources</u>, Spring 1981.

"Wealth Neutrality and the Demand for Education: A Response" (with D. Black and C. Link), <u>National Tax Journal</u>, June 1980.

"Theoretical and Empirical Evidence on Market-to-Book Ratios for Regulated and Nonregulated Firms," abstract, Proceedings of the Eastern Finance Association, June 1980.

"The Quality of Education and Cohort Variation in Black-White Earnings Differentials: Reply" (with C. Link and E. Ratledge), <u>American Economic Review</u>, March 1980.

"Wealth Neutrality and the Demand for Education" (with D. Black and C. Link), <u>National Tax Journal</u>, June 1979.

"Regional Econometric Models: Specification and Simulation of a Quarterly Alternative for Small Regions" (with W. R. Latham and J. H. Landon), <u>Journal of Regional Science</u>, 19(1) February, 1979.

"Dominance, Recontracting and the Reserve Clause: Major League Baseball" (with J. Hunt), <u>American Economic Review</u>, December 1976.

"Black-White Differences in Returns to Schooling: Some New Evidence" (with C. Link and E. Ratledge), American Economic Review, March 1976.

"Empirical Issues in the Demand for Currency: A Multinational Study" (with F. Breen), <u>Journal of Finance</u>, September 1975.

"The Cyclic Properties of the Production Inventory Process" (with W. J. Duffy), Econometrica, May 1975.

"A Note on the Interest Elasticity of the Transactions Demand for Cash," <u>Journal of Finance</u>, Sept. 1974.

Survey of Quantitative Research in the Regulation of Motor-Carriage and Railroad Transportation, Report No. RP-SP-64, U.S. Department of Transportation, Transportation Systems Center, Cambridge, Massachusetts, July 1974.

- "Further Results on Trade in Textiles: 1959-1969" (with W. J. Duffy), <u>Southern Economics Journal</u>, July 1972.
- "An Econometric Analysis of the Demand for Textile Fibers," <u>American Journal of Agricultural Economics</u>, May 1972.
- "Multimarket Demand Functions Under a Regime of Supply Constraints: International Demand for Cotton and Wool Fibers," Southern Economics Journal, October 1971.
- "Industrialization and Interregional Interest Rate Structure: The Japanese Case: 1889-1925," (with Kozo Yamamura), Explorations in Economic History, July 1971.
- "Role of the Textile Industry in the World Economy of the Future," <u>Princeton University Conference in Research and Education in the Advancement of the Textile Industry</u> (reprinted in), Princeton: The Princeton University Conference, 1970.

<u>Textile Mill Fiber Consumption in the United States</u>, Research Memorandum 109, Econometric Research Program, Princeton University, Princeton, New Jersey, June 1969.

"A Review of Programmed Text in Money and Banking by J. T. Master and W. Haynes," <u>Journal of Finance</u>, 1969.

Manuscripts Under Review

"Stimulus Without Debt in a Severe Recession," (with L. Seidman), <u>International Finance</u>, 2014, under review.

Op-Ed and Research Reports

- "The Contribution of the Coastal Economy to the State of Delaware," (with W. Latham), CABER and the Delaware Sea Grant Program (deseagrant.org), 2012.
- "Economic Contributions of Habitat for Humanity of New Castle County," (with W. Latham), CABER and the Habitat for Humanity of New Castle County, Delaware, 2012.
- "America's Beer Distributors: Fueling Jobs, Generating Economic Growth and Delivering Value to Local Communities," (with W. Latham), CABER and the National Beer Wholesalers Association (nbwa.org), 2012.
- "Does March Madness Success Boost Collegiate Rankings?" (with W. Latham), Washington Post blog, College Inc., by Daniel de Vise, Higher Education Page, March 31, 2012.
- "Tax Cut May Kick-Start Economy," (with L. Seidman), Wilmington News Journal, Op Ed, March 7, 2010.
- "Taxes." *How Delaware Compares*," Delaware Public Policy Institute of the Delaware State Chamber of Commerce, March 2009 (www.howdelawarecompares.org), chapter 15.
- "State and Local Government Finance." *How Delaware Compares*," Delaware Public Policy Institute of the Delaware State Chamber of Commerce, March 2009 (www.howdelawarecompares.org), chapter 14.
- "New Economies for Delaware." (with William Latham), Wilmington News Journal, Op Ed for the New Economies Conference, October 2008
- "Economic Impact of the Financial Center Development Act of 1981 on the State of Delaware: Employment and General Fund Revenues," FIRE Center, University of Delaware, 1990.

"Estimation of Gross State Product for the State of Delaware and Its Relationship to State Expenditures" (with W. Latham and O. Borla), State of Delaware Department of Finance, 1986.

"Projections of Economic Impacts on the State of Delaware of a Minor League Baseball Stadium at the University of Delaware" (with W. Latham), State of Delaware Development Office, 1986.

"The Economic Impact of the University of Delaware on the State" (with D. Black), Office of the President, University of Delaware, October, 1979.

"An Evaluation of the Delaware State Public Elementary and Secondary Educational Equalization Laws" (with D. Black and C. Link), Department of Public Instruction, State of Delaware, 1979.

"Tonnage and Dock Utilization Forecasts for the Port of Wilmington," Staff Report for the Port of Wilmington Study Committee, September, 1974.

"Preliminary Analysis of Delaware Employment in Nine Major Industrial Sectors" (with W. R. Latham), Delaware State Planning Office, September, 1974.

Conference and Paper Presentations

Focus on the Delaware Coast Conference: Delaware's Coastal Economy, "Contribution of the Coastal Economy to the State of Delaware," (with W. Latham), keynote address, Virden Center, Lewes, Delaware, December 7, 2012.

"Did the 2008 Rebate Fail? A response to Taylor and Feldstein," (with L. Seidman). Department of Economics Applied Research Seminar Series, November 15, 2011.

Delaware Public Policy Institute Conference, "Delaware and How Delaware Compares," (with William Latham), Wilmington Delaware, April 27, 2011.

Eastern Economic Association Annual Conference, "The Impact of Quadrupling U.S. Fiscal Stimulus in 2009.4 and 2010.1," (with L. Seidman), February 28, 2010.

University of Delaware Partnerships Conference: Panel on Creating Delaware's Clean Energy Economy, "How Delaware Compares," December 13, 2010.

Delaware State Chamber of Commerce Business Conference, "The Delaware Economy," (with w. Latham and E. Ratledge), Octiber 10, 2010.

Academy of Lifelong Learning, Economic Roundtable hosted by Representative Castle, University of Delaware, speaker, April 13, 2009.

National Tax Association, "Practical Problems Confronting a Carbon Tax or Permit Treaty." (with L. Seidman), 2008.

National Tax Association, "A Surtax on High-Income Households on the 1040: Consumption versus Income." (with L. Seidman), 2008.

"Compensations and Contributions under an International Carbon Treaty," (with L. Seidman), Department of Economics Seminar Series, April 2008.

National Tax Association, "Filling the Medicare Drug Doughnut Hole Using Tax Returns," (with L. Seidman), Conference Session Tax Policy and the Elderly, November 18, 2005.

Eastern Economics Association, "What Has Been Learned Since 2001 About Counter-Cyclical Tax Rebates?" (with L Seidman), Conference on Recent Developments in Macroeconomics, March 4, 2005.

Eastern Economics Association, "A Fiscal Policy to Counter Recessions: Triggered Transfers to Households," (with L Seidman), Fiscal Policy Session, February 20, 2004.

University of Delaware, Department of Economics Seminar Series, "Counter-Cyclical Fiscal Policy," (with L. Seidman), October 14, 2004.

Geo Economics Center of the Council on Foreign Relations Symposium, "Automatic Fiscal Policy: A New Design," (with L Seidman), <u>Stabilizing the Economy: What Rules for Fiscal and Monetary Policy</u>? July 11, 2002

Delaware Public Policy Institute, "Economic Growth in Delaware: Costs, Benefits, and Realities," Forum for Choice for Delaware: Life and the Economy in 2000 and Beyond, University of Delaware, (with W. Latham), November, 1998.

Public Choice Society, "Does Development Assistance Affect Economic Growth?," (with B. Abrams), March 1998.

American Economic Association, "Conversion to a Consumption Tax in a Growth Model with Heterogeneity," (with L. Seidman), New Orleans, January, 1997.

Public Choice Society, "Foreign Aid and Economic Growth" (with B. Abrams), Houston, March, 1996.

Public Choice Society, "The Determinants of U.S. Foreign Aid" (with B. Abrams), New Orleans, March, 1991.

American Economic Association, "The Impact of Raising the U.S. Investment Rate on the Wage of Low-Educated Labor" (with L. Seidman), Washington, D.C., December, 1990.

Public Choice Society, "A Pressure-Group Model of Public School Expenditures" (with B. Abrams), Orlando, March, 1989.

American Economic Association, "The Quantitative Consequences of Raising the U.S. Saving Rate" (with L. Seidman), New York, December, 1988.

Eastern Finance Association, "Theoretical and Empirical Evidence on Market-to-Book Ratios for Regulated and Nonregulated Firms," Savannah, April, 1980.

Bell System Rate-of-Return Committee, "Theoretical and Empirical Evidence on United States Industrial Market-to-Book Ratios," St. Louis, January, 1980.

Lehigh University Economics Workshop, "Monopsony Rents in Major League Baseball: The Impact on Marginal Franchises," April, 1977-78.

Meetings of the Econometric Society, "School District Wealth and School Finance: An Econometric Model" (with C. Link, R. Agnello, and D. Black), Winter, 1977.

Meetings of the Southern Economic Association, "Wealth Neutrality: An Econometric Model of School Finance" (with C. Link, R. Agnello, and D. Black), Fall, 1977.

Eastern Economic Association, "Monopsony Rents, Franchise Viability, and the Reserve Clause" (with J. Hunt), Spring, 1977.

Western Economics Association, "Dominance, Recontracting, and the Reserve Clause: Major League Baseball" (with J. Hunt), Summer, 1975.

Southern Regional Science Association, Spring 1975, and Western Economics Association, Summer 1976, "An Improved Quarterly Forecasting Model of a Small Region" (with W. R. Latham and J. H. Landon).

Econometric Society, "Male-Female and Black-White Discrimination in the Labor Market" (with C. Link and E. Ratledge), December, 1974.

Econometric Society, "An Empirical Investigation of the Cyclic Properties Implied by Current Inventory Models" (with W. J. Duffy), December, 1972.

Sponsored Research and Grants Received

Delaware Public Policy Institute, (7/1/98 - 6/30/99)

Delaware Econometric Model, (7/1/79 - 6/30/90)

Sponsoring Agency: Delaware Department of Finance, \$115,000

Delaware Economic Financial Advisory Committee, (7/1/78 - 6/30/90)

Sponsoring Agency: Delaware Department of Finance, \$38,000

Economic and Fiscal Impact Analysis of the University of Delaware on the State of Delaware, (6/1/79 - 9/30/79), (with D. Black)

Sponsoring Agency: President's Office, University of Delaware, \$6,700

Delaware Econometric Model, (5/79 - 6/79), (with W. R. Latham) Sponsoring Agency: Delaware Department of Finance, \$3,500

Delaware Econometric Model, (January) 1979

Sponsoring Agency: Delaware Office of Management, Budget, and Planning, \$3,500

Delaware Econometric Model, 1977-1978, (with J. Butkiewicz and W. R. Latham), "Title I of the Comprehensive Employment and Training Act of 1973"

Sponsoring Agency: Delaware Office of Management, Budget, and Planning and U.S. Department of Labor, $\$40,\!000$

Delaware State Public Education Equalization, (7/1/76 - 9/30/78), (with D. Black and C. Link) Sponsoring Agency: Delaware Department of Public Instruction, \$110,344

Delaware Econometric Model, 1974-1976, (with J. H. Landon and W. R. Latham)
Sponsoring Agency: Wilmington Development Council, Delaware Tomorrow Commission, Delaware Department of Finance.

UNIDEL Research Grant, University of Delaware, 1974

Summer Research Grant, Boston College, 1969

University and Community Service

University Service

University of Delaware, Distinguished Scholars Competition Selection Committee, (Weekend program to interview and select DuPont, Lewis Lewin Stark, Alumni, Alison and 1743 scholars from among 100 plus prospective freshmen), Member for several years.

University of Delaware, University Honors Program, Committee of Affiliated Faculty, Continuing Faculty, Member for several years.

University of Delaware, University Honor's Program, Delaware Decision Days, panelist, several.

University of Delaware, University Honor's Program, Rhodes/Marshal/Truman Mock Interviews, interviewer, several.

University of Delaware's chapter of the national co-educational honors fraternity, Phi Sigma Pi . Faculty advisor for many years.

University of Delaware Council of Directors of Social and Policy Science Centers, member 2010-present.

Lerner College of Business and Economics, Promotion and Tenure Committee. Member 2010 and 2012-2013.

Department of Economics Graduate Committee, Chair through 2009.

Department of Economics Ad Hoc Committee to Review the Department's Promotion and Tenure Document, Chair, 2009-2010.

Department of Economics Promotion and Tenure Committee, member for many years.

Department of Economics, Fed Challenge Mock Competition, Judge for several years.

Department of Economics, Promotion and Tenure Committee. Member for many years.

Presidential Search Committee, Member, 2006

College of Business and Economics, MBNA Chaired Professors Selection Committee, 2002-2005

University Honors Program, Associate Director Search Committee, 2002-2003

Department of Economics Workload Committee, Co-chair, 2002-2003

Business and Economics Dean Search Committee, 1999

Woolard Chair Search Committee, 1998-99

Academic Program Review of the University Honors Program, 1998 - 1999, Chairperson

Graduate Studies Advisory Committee of the Faculty Senate, 1997 - 2000 Business and Economics Dean Search Committee, 1996

University Honors Degree and Awards, 1994 - 1997

Faculty Advisory Committee, Gore Classroom Building, 1995 - 1997

Business and Economics Faculty Research Awards Committee (chair), 1995 - 2001 Council on Program Evaluation, 1986-1994

Task Force Undergraduate Studies, Middle State Accreditation, member 1991-1992

Honors Program, Campus Visit Day, Participant, 1991, 1995

Project Vision Task Force, 1989-90

Salary Equity Review Committee, 1989-90

Provost Search Committee, 1988, 1990-91, 1993-94

Dean's Evaluation Committee, 1986-87

Coordinating Council for Student Services, 1986

Convocation Speaker, College of Business and Economics, 1985

University Faculty Senate Committee on Promotions and Tenure, Chair, 1985

Faculty dinner-seminar speaker, "Public Regulation of Economic Activity," 1983

Research Subcommittee, University of Delaware Computer Task Force, 1982

Center for Advanced Studies, University of Delaware, Review Committee, 1981

COPE Committee for the Office of Computer-Based Instruction, Chair, 1980-81

Committee on Graduate Studies, University Senate, 1979-82

Fellow in the Center for Teaching Effectiveness, 1977-78

Committee on the Organization of the Mathematics and Information Sciences, 1977

Ad Hoc MA/MBA Committee of the College of Business and Economics, 1977

COPE Committee for the Department of Philosophy, 1977

COPE Committee for the Department of Continuing Education, 1976, Co-chair, 1977

Hens Project and Parents Day, College of Business and Economics, 1976-79

Promotion and Tenure Committee, College of Business and Economics, 1975, Chair, 1976-77

Departmental Curriculum Committee, Chair, 1975-83

Faculty Senator, University Senate, 1974-76

Departmental Advisory Committee to the Chair, 1973-76

Community Service and Other Professional Activities

State of Delaware Advisory Council on Revenues – Structural Revenue Review, Appointed by Governor Markell, Member, 2014 – 2015.

Member of the Delaware Economic and Financial Advisory Committee, Member and occasional acting Chair.

Revenue Forecasting Subcommittee, Delaware Economic and Financial Advisor Committee, Chair.

External Evaluator, Master of Arts in Applied Economics Program, University of Cincinnati, 2002 Delaware State Chamber of Commerce, advisor, 1998 - 2000

Delaware Econometric Model, Co-director, 1974-present

State of Delaware, Committee on Fiscal Impact of 1986 Federal Tax Act on Delaware, Chair, 1986

External Evaluator, Master in Resource Economics Program, East Carolina University (UNC), 1995

Delaware Transportation Authority, State of Delaware, Consultant, 1984-85

Domestic Policy Coordinator for Pierre S. du Pont IV, Governor, 1982

Lecturer, Graduate School of Financial Sciences, The American College, 1978-89

Governor's Advisory Committee on State Finances, 1976-77

The Bell Telephone Company of Pennsylvania and Diamond State Telephone, Consultant, 1976-82

Expert Testimony before the Delaware Public Service Commission, 1982, 1984

U.S. Department of Transportation, Consultant, 1974

Ad Hoc Reviewer, National Science Foundation, Journal of Finance, Journal of Money, Credit and Banking, American Economic Review, Economic Inquiry, Economics of Education Review, Journal of Economic Dynamics and Control, Journal of Macroeconomics, Office of Research and Statistics of the Social Security Administration, Eastern Economic Journal, Economics of Education Review, The Review of Economics and Statistics, The Quarterly Review of Economics and Business, Journal of Economic Education, 1973-present

Reviewer, Holt, Rinehart, and Winston, Inc.; and Allyn and Bacon, Inc.; Prentice-Hall; Van Nostrand, 1969.