

*CURRICULUM VITAE*

**PERSONAL**

Name: **Frank A. Scott, Jr.**

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Business Address: Department of Economics  
College of Business and Economics  
University of Kentucky  
Lexington, Kentucky 40506-0034  
e-mail: fscott@uky.edu

Home Address: 3505 Castlegate Court  
Lexington, KY 40502

Date of Birth: March 26, 1951

Marital Status: Married; two grown children, five grandchildren

**EXPERIENCE**

Professor of Economics, University of Kentucky, 1995-  
Gatton Endowed Professor, 1999-2021  
Research Professorship, 1998-1999  
Acting Chair, 2001-2002  
Director of Graduate Studies, 1990-91, 1999-2001, 2002-2005  
Visiting Senior Research Scholar, Lancaster University, UK, 1999  
Associate Professor of Economics, University of Kentucky, 1985-95  
Assistant Professor of Economics, University of Kentucky, 1982-1985  
Assistant Professor of Economics, Auburn University, 1979-1982  
Instructor of Economics, Auburn University, 1978-79  
Instructor of Economics, University of Virginia, 1977-78  
Research Assistant (Summer Intern), Board of Governors of the Federal  
Reserve System, Washington, D.C., 1976

**ACADEMIC RESEARCH INTERESTS**

Applied Microeconomic Theory, Industrial Organization, Antitrust, Public Economics, Public Policy

**EDUCATIONAL BACKGROUND**

Graduate: Ph.D. Economics, University of Virginia, 1979  
Fields of Ph.D. Concentration: Industrial Organization, Quantitative Methods  
Doctoral Dissertation: An Economic Analysis of Fuel Adjustment Clauses (Roger Sherman, Chairman)  
Undergraduate: B.A. Economics, College of William and Mary, 1973

## PUBLICATIONS

### Refereed Journals

Jason Beck, Frank Scott, and Aaron Yelowitz, "The Impact of Real Estate Agent Specialization and Activity Level on Market Outcomes," Journal of Housing Research (forthcoming).

David Barrus and Frank Scott, "Single Bidders and Tacit Collusion in Highway Procurement Auctions," The Journal of Industrial Economics 68:3, September 2020, 483-522.

Luis Gonzalez, Marco Castaneda, and Frank Scott, "Solving the Simultaneous Truel in The Weakest Link: Nash or Revenge?" Journal of Behavioral and Experimental Economics 81, August 2019, 56-72.

Ken Sanford and Frank Scott, "Assessing the Intensity of Sports Rivalries Using Data from Secondary Market Transactions," Journal of Sports Economics 17, February 2016, 159-174.

Ken Sanford and Frank Scott, "What Are SEC Football Tickets Worth? Evidence from Secondary Market Transactions," Southern Economic Journal, 81, July 2014, 23-55.

Aaron Yelowitz, Frank Scott, and Jason Beck, "The Market for Real Estate Brokerage Services in Low- and High-Income Neighborhoods: A 6 City Study," Cityscape: A Journal of Policy Development and Research 15: 1, March 2013, 261-291.

Jason Beck, Frank Scott, and Aaron Yelowitz, "Concentration and Market Structure in Local Real Estate Markets," Real Estate Economics, Fall 2012, 422-460.

Frank Scott and Aaron Yelowitz, "Pricing Anomalies in the Market for Diamonds: Evidence of Conformist Behavior," Economic Inquiry 48, April 2010, 353-368.

Mark Berger, Dan Black, and Frank Scott, "Is There Job Lock?" Southern Economic Journal 70, April 2004, 953-976.

Eric Thompson, Frank Scott, and Mark Berger, "Deregulation in the Electric Utility Industry: Excess Capacity and the Transition to a Long Run Competitive Market," Growth and Change 35, Winter 2004, 1-21.

Mark Berger, Dan Black, Amitabh Chandra, and Frank Scott, "Children, Nondiscriminatory Provision of Fringe Benefits, and Household Labor Market Decisions," Research in Labor Economics vol. 22 (*Worker Well-being and Public Policy*, S. W. Polachek, ed.) 2003, 309-349.

Mark Berger, Dan Black, Jodi Messer, and Frank Scott, "COBRA, Spouse Coverage, and Health Insurance Decisions of Older Households," Journal of Forensic Economics 15, Spring/Summer 2002, 147-164.

Frank Scott and Jeff Anstine, "Critical Mass in the Production of Ph.D.'s: A Multi-Disciplinary Study," Economics of Education Review 21 (2), 2002, 29-42.

Dan Black, Mark Berger, and Frank Scott, "Bounding Parameter Estimates with Non-Classical Measurement Error," Journal of the American Statistical Association 95, September 2000, 739-748.

Frank A. Scott, Jr., "Great School Milk Conspiracies Revisited," Review of Industrial Organization 17, November 2000, 325-341.

Mark C. Berger, Dan A. Black, Frank A. Scott, and Amitabh Chandra, "Health Insurance Coverage of the Unemployed: COBRA and the Potential Effects of Kassebaum-Kennedy," Journal of Policy Analysis and Management 18, Summer 1999, 430-448.

Mark C. Berger, Dan A. Black, and Frank A. Scott, "How Well Do We Measure Employer-Provided Health Insurance?" Contemporary Economic Policy 16, July 1998, 356-367.

Frank Scott and Jeff Anstine, "Market Structure in the Production of Economics Ph.D.'s," Southern Economic Journal 64, July 1997, 307-320.

John Garen, Mark Berger, and Frank Scott, "Pensions, Non-Discrimination Policies, and the Employment of Older Workers," The Quarterly Review of Economics and Finance 36, Winter 1996, 417-429.

Frank A. Scott, Mark C. Berger, and John E. Garen, "Do Health Insurance Costs and Non-Discrimination Policies Reduce the Job Opportunities of Older Workers?" Industrial and Labor Relations Review 48, July 1995, 775-791.

Frank A. Scott, Jr. and O. David Gulley, "Testing for Efficiency in Lotto Markets," Economic Inquiry 33, April 1995, 175-188.

Frank A. Scott, Jr., "Franchising vs. Company Ownership as a Decision Variable of the Firm," Review of Industrial Organization 10, February 1995, 69-81.

Frank Scott and John Garen, "Probability of Purchase, Amount of Purchase, and the Demographic Incidence of the Lottery Tax," Journal of Public Economics 54, June 1994, 121-143.

O. David Gulley and Frank A. Scott, Jr., "The Demand for Wagering on State-Operated Lotto Games," National Tax Journal 46, March 1993, 13-22.

Mark C. Berger and Frank A. Scott, "Changes in U.S. and Southern Economics Departments over Time." Growth and Change 21, Summer 1990, 21-31.

O. David Gulley and Frank A. Scott, Jr., "Lottery Effects on Pari-Mutuel Tax Revenues." National Tax Journal 42, March 1989, 89-94.

Frank A. Scott, Mark C. Berger, and Dan A. Black, "Effects of the Tax Treatment of Fringe Benefits on Labor Market Segmentation," Industrial and Labor Relations Review 42, January, 1989, 216-229.

Frank A. Scott, Jr., Mark C. Berger, and Glenn C. Blomquist, "Impacts of Air Pollution Control Strategies in Kentucky," Growth and Change 19, Spring 1988, 40-55.

Frank A. Scott, Jr., "Assessing U.S. Postal Ratemaking: An Application of Ramsey Prices," Journal of Industrial Economics 34, March 1986, 279-290.

Frank A. Scott, Jr., James E. Long, and Ken Somppi, "Salary vs. Marginal Revenue Product under Monopsony and Competition - The Case of Professional Basketball," Atlantic Economic Journal 13, September 1985, 50-59, reprinted in The Economics of Sport, Andrew Zimbalist (ed.), Cheltenham, UK: Edward Elgar Publishing, 2001.

Frank A. Scott, Jr. and Stephen O. Morrell, "Two-Part Pricing for a Multi-Product Monopolist," Economic Inquiry 24, April 1985, 295-307.

Frank A. Scott, Jr., "The Effect of a Fuel Adjustment Clause on a Regulated Firm's Selection of Inputs," The Energy Journal 6, April 1985, 117-126.

Frank A. Scott, Jr., "Uncertain Input Prices, Profit Risk, and the Rate-of-Return Regulated Firm: Reply," Land Economics 60, November 1984, 411-413.

Frank A. Scott, Jr., "The Pricing Policy of the Postal Service: Economics Misapplied," Journal of Policy Analysis and Management 4, Winter 1985, 251-256.

James E. Long and Frank A. Scott, Jr., "The Impact of the 1981 Tax Act on Fringe Benefits and Federal Tax Revenues," National Tax Journal 37, June 1984, 185-194.

Frank A. Scott, "A Note on Uncertain Input Prices, Profit Risk, and the Rate-of-Return Regulated Firm," Land Economics 59, August 1983, 337-341.

Frank A. Scott, Jr., James E. Long, and Ken Somppi, "Free Agency, Owner Incentives, and the National Football League Players Association," Journal of Labor Research 4, Summer 1983, 257-264.

James E. Long and Frank A. Scott, "The Income Tax and Nonwage Compensation," The Review of Economics and Statistics 64, May 1982, 211-219.

Frank A. Scott, Jr., "Estimating Recipient Benefits and Waste from Lifeline Electricity Rates," Land Economics 57, November 1981, 536-543.

Albert N. Link and Frank A. Scott, "Effluent Fees, An Alternative System for Achieving Water Quality: A Case Study," Water Resources Bulletin 17, June 1981, 498-500.

### **Chapters in Books and Other Publications**

William H. Hoyt, Frank A. Scott, Jr., and W. Hayden Brown, "Participation Patterns for AFDC and SSI: An Examination of Differences among Kentucky Counties," The Kentucky Journal of Economics and Business 19, 2000, 49-67.

Frank A. Scott, Jr., "Postal Delivery of Newspapers and Periodicals: A Comment," in M. A. Crew and Paul Kleindorfer (eds.), Competition and Innovation in Postal Services, Boston: Kluwer Academic Publishers, 1991.

Frank A. Scott, Jr., "Fuel Adjustment Clauses and Profit Risk," in M. A. Crew (ed.), Issues in Public Utility Pricing and Regulation, Lexington, Mass.: Lexington Books, 1980.

Christopher Jepsen, Frank Scott, and Jesse Zenthoef, "Economic Inefficiencies in Access Rates: Kentucky's Intrastate Switched Telephone Access Charges," Kentucky Annual Economic Report 2012, Center for Business and Economic Research, University of Kentucky, 2012.

John Garen, Christopher Jepsen, and Frank Scott, "The Aluminum Industry in Kentucky," Kentucky Annual Economic Report, 2009, Center for Business and Economic Research, University of Kentucky, 2009.

Frank A. Scott and Mark C. Berger, "Electricity Deregulation Will Benefit Urban and Rural Kentuckians," Foresight, vol. 5, no. 2, 1998.

Frank A. Scott, Jr., "The Changing Market for Electricity in Kentucky," Kentucky Annual Economic Report 1998, Center for Business and Economic Research, University of Kentucky, 1997.

William H. Hoyt and Frank A. Scott, Jr., "County-Level Differences in Per Capita Transfer Income," Kentucky Annual Economic Report 1996, Center for Business and Economic Research, University of Kentucky, 1996.

Frank A. Scott, Jr., "Health Care Reform in Kentucky," Kentucky Annual Economic Report 1995, Center for Business and Economic Research, University of Kentucky, 1995.

O. David Gulley and Frank A. Scott, Jr., "The Effects of State Lotteries on Pari-Mutuel Tax Revenues," Review and Perspective 13, Fall 1989, Center for Business and Economic Research, University of Kentucky.

Frank A. Scott, Jr., Mark C. Berger, and Glenn C. Blomquist, "Estimated Economic Impacts of Acid Rain Controls in Kentucky," Review and Perspective 11, Fall 1987, Center for Business and Economic Research, University of Kentucky.

## **WORKING PAPERS**

"Competitive Markets and Discrimination: How Online Markets Increase Access and Reduce Prices for Minorities," with Abdullah Al-Bahrani and Aaron Yelowitz.

"Walmart's Entry into Local Grocery Markets: Measuring the Impact through Competitors' Responses," with Jeff Hoffman and Chris Bollinger.

"Structural Changes in Local Real Estate Markets: From Pre-recession Boom to Post-Covid Bust," with Jason Beck.

"Technological Disruption, Market Power, and Consumer Prices: FTC Marketing Revisions and the Diamonds Market," with Aaron Yelowitz.

## **PROFESSIONAL ACTIVITIES**

"Do More-Active Agents Affect Real Estate Market Outcomes?" presented at Southern Economics Association meetings in Washington, D.C., November 2018.

"Single Bidders and Tacit Collusion in Highway Procurement Auctions," presented at Southern Economics Association meetings in Washington, D.C., November 2016.

"Online and In-person Differences in Mortgage Loan Prices and Rejection for Minority and Majority Borrowers," presented at Southern Economics Association meetings, New Orleans, LA, November, 2015.

"Have Wal-Mart Supercenters Slowed the Rate of 'Inflation'? The Effect of Wal-Mart Entry into Local Grocery Markets on the Consumer Price Index," presented at Southern Economics Association meetings, Atlanta, GA, November 2014.

"Do Price Gimmicks Work in Real Estate?" presented at Southern Economics Association meetings, Tampa, FL, November 2013.

"Assessing the Intensity of Sports Rivalries Using Data from Secondary Market Transactions," presented at Southern Economics Association meetings, New Orleans, LA, November 2012.

"Tacit Collusion in Highway Procurement Auctions," presented at Southern Economics Association meetings, New Orleans, LA, November 2012 and at International Industrial Organization Society meetings, Boston, MA, May 2013.

"Surplus Extraction by Primary Market Monopolists: Evidence from Secondary Market Transactions for SEC Football Tickets," presented at Southern Economic Association meetings, Atlanta, GA, November 2010.

"Repeated Interaction in Private-Value Auctions: The Effect on Price of a Change in the Number of Bidders," presented at Southern Economic Association meetings, Washington, DC, November 2008.

"Economic Forces Shaping the Vertical Chain of Production in the Aluminum Industry," presented at the INFORMS meetings in Washington, D.C., October 2008.

“Testing for Nash Equilibrium in Three-Way Duels,” presented at Southern Economic Association meetings, Charleston, SC, November 2006, and at International Industrial Organization Conference, Savannah, GA, April 2007.

“With Snob Goods is it Size itself, or others’ Perception of Size, that Matters?: The Case of Diamonds,” presented at Southern Economic Association meetings, New Orleans, LA, November 2004, and at Tulane University, March 2008.

“Search Costs, the Internet, and the Pricing of Prescription Drugs,” presented at Southern Economic Association meetings, New Orleans, LA, November 2002.

“Geographic Variation in Welfare Participation Rates: Identifying Poverty Pockets,” presented at Southern Economic Association meetings, Tampa, FL, November 2001.

“Estimating Dynamic Responses for Duopolists in Repeated Sealed Bid Auctions,” presented at Southern Economic Association meetings, Washington, D.C., November 2000, and at Western Economic Association meetings, San Francisco, CA, July 2001.

“Geographic Variation in SSI and AFDC Reciprocity: What is the Role of Non-Program Factors?” presented at Lancaster University, Lancaster, England, May 1999, at Southern Economic Association meetings, New Orleans, LA, November 1999, and at Allied Social Sciences Association meetings, Boston, MA, January 2000.

“Empirical Tests of Tacit vs. Overt Collusion,” presented at Western Economic Association meetings, Lake Tahoe, NV, July 1998, at Kentucky Economic Association meetings, Lexington, KY, October 1998, and at Southern Economic Association meetings, Baltimore, MD, November 1998.

“The Dynamics of Family Retirement Decisions,” presented at Allied Social Science Associations meetings, Chicago, IL, January 1998.

“Labor Market Responses to Spouse Health Insurance Coverage,” presented at Kentucky Economic Association meetings, Lexington, Kentucky, October 1996, at Southern Economic Association meetings, Washington, D.C., November 1996, and at the Allied Social Science Association meetings, New Orleans, Louisiana, January 1997.

“Labor Market Mobility and Job Lock,” presented at the Southern Economic Association meetings, New Orleans, Louisiana, November 1995 and at the Allied Social Science Association meetings, San Francisco, California, January 1996.

“Optimum Firm Size in the Production of Economics Ph.D.’s,” presented at the Southern Economic Association meetings, New Orleans, Louisiana, November 1995, and at Lancaster University, Lancaster, England, May 1996.

“Measuring the Medically Uninsured by Employment Status” presented at the Kentucky Economic Association meetings, Lexington, Kentucky, October 1993 and at the Southern Economic Association meetings, New Orleans, Louisiana, November 1993.

“Do Health Insurance Costs and Non-Discrimination Policies Reduce the Job Opportunities of Older Workers?” presented at the Kentucky Economic Association meetings, Lexington, Kentucky, October 1992 (won award for the outstanding paper at the 1992 annual meetings), at the Southern Economic Association meetings, Washington, D.C., November 1992, and at the Population Association of America meetings, Cincinnati, Ohio, April 1993.

“Probability of Purchase, Amount of Purchase, and the Demographic Incidence of the Lottery Tax,” presented at the Workshop in Economics and Policy, University of Chicago, February 1992.

“Rationality and Efficiency in Lotto Markets” presented at the Southern Economic Association meetings, Nashville, Tennessee, November 1991.

“Postal Delivery of Newspapers and Periodicals: A Comment” presented at a conference on Competition and Innovation in Postal Services, sponsored by the British Post Office, Rugby, England, July 1990.

“Fringe Benefits and the Mobility of Older Workers” presented at the Southern Economic Association meetings, Orlando, Florida, November 1989, and at the Allied Social Science Association meetings, Atlanta, Georgia, December 1989.

“Inter-Industry Differences in Firm Location Decisions” presented at the Southern Economic Association meetings, Orlando, Florida, November 1989.

“Nondiscriminatory Fringe Benefits and Labor Market Segmentation” presented at Miami University (Ohio) and at the Southern Economic Association meetings, Washington, DC, November 1987.

“Vertical Control Via Franchising” presented at the Southern Economic Association meetings, Dallas, Texas, November 1985.

“An Assessment of Postal Ratemaking” presented at the Southern Economic Association meetings, Atlanta, Georgia, November 1984.

“Salary vs. Marginal Revenue Product under Monopsony and Competition--The Case of Professional Basketball,” presented at the Southern Economic Association meetings, Washington, DC, November 1983.

“Multi-Part Prices for a Multi-Product Monopolist,” presented at the Southern Economic Association meetings, New Orleans, Louisiana, November 1981.

“Effluent Fees: A Case Study,” presented at the American Water Resources Association Conference, Minneapolis, Minnesota, October 1980.

“Fuel Adjustments and Company Earnings,” presented at the Conference on Current Issues and Problems in Public Utility Regulation, Rutgers University, March 1980.

Managing Advisory Board, Growth and Change, 1988-91.

Referee, at various times for the following journals:

The American Economic Review, The Review of Economics and Statistics, Journal of Industrial Economics, Economic Journal, National Tax Journal, Journal of Public Economics, The Review of Industrial Organization, Economic Inquiry, Industrial and Labor Relations Review, Journal of Labor Economics, Journal of Labor Research, Southern Economic Journal, Canadian Journal of Economics, European Economic Review, Quarterly Journal of Economics and Business, Managerial and Decision Economics, European Journal of Political Economy, Real Estate Economics, Public Finance Quarterly, Risk Analysis, Journal of Economics and Business, Land Economics, Social Science Quarterly, Public Finance Review, Eastern Economic Journal, Journal of Population Economics, International Review of Economics and Finance, Policy Studies Journal, Contemporary Economic Policy, Small Business Economics, Review of Economics of the Household, The Journal of Benefit-Cost Analysis, and Growth and Change, and reviewer for the National Science Foundation and the Social Sciences and Humanities Research Council of Canada.

## **FUNDED RESEARCH**

### **Externally Funded**

“Kentucky Telephone Access Charges,” funded by the Technology and Economic Development Group, Co-Principal Investigator, November 2010-October 2011, \$40,366.

“Forces Shaping the Aluminum Industry,” funded by the Sloan Center for a Sustainable Aluminum Industry, University of Kentucky. Co-Principal Investigator. January 2008-December 2008, \$75,097.

“Geographic Variation in Food Stamp and Other Assistance Program Participation Rates: Identifying Poverty Pockets in the South,” funded by the Southern Rural Development Center, Mississippi State University/Economic Research Service. Co-Principal Investigator. October 2003-September 2004, \$29,977.

“Spouse Health Insurance and the Retirement Decision,” funded by the National Institute on Aging, U.S. National Institute of Health. Co-Principal Investigator. March 1998-February 2000, \$73,327.

“Firm Size and Wage Structure: Small Businesses and the Employment of Low-Wage Workers,” funded by the U.S. Small Business Administration. Co-Principal Investigator. July 1998-December 1998, \$28,900, Contract No. SBAHQ-98-M-0695.

“Competition and Customer Choice in Electric Power: An Analysis of Regulatory Reform in the Kentucky Electric Utility Industry,” funded by American Electric Power, Cinergy, Louisville Gas and Electric Company, and Kentucky Utilities. Principal Investigator. March 1997-March 1998, \$105,521.

“Employer-Provided Health Insurance and Household Coverage,” funded by the U.S. Department of Labor, Pension and Welfare Benefits Administration. Co-Principal Investigator. October 1997-April 1998, \$21,525.

“Long-Term Assessment of the Kentucky Economy,” funded by the Kentucky Department of Finance and Administration. Consultant. October 1997-June 1998, \$43,845.

“Economic Impact Assessment of a Southern Kentucky Corridor (I-66),” funded by the Kentucky Transportation Cabinet. Consultant. January 1996-May 1997, \$174,905.

“Health Insurance Coverage During Labor Force Transitions,” funded by the Pension and Welfare Benefits Administration of the U.S. Department of Labor. Co-Principal Investigator. June 1995-January 1996, \$19,875, Contract No. 41USC252C3.

“Changing Characteristics of the Self-Employed,” funded by the U.S. Small Business Administration. Principal Investigator. October 1994-June 1996, \$66,934, SBA-8142-OA-94.

“Employer-Provided Health Insurance and Job Lock,” funded by the Agency for Health Care Policy and Research, National Institute of Health. Co-Principal Investigator. July 1994-June 1996, \$106,626. Grant No. 1-R01-HS08188-01.

“An Analysis of the Effects of Rate Setting and Price Controls on the Delivery of Health Care Services in Kentucky,” funded by the AETNA Corporation. Co-Principal Investigator. January 1994-June 1994. \$32,057.

“Measuring the Uninsured by Firm Size and Employment Status,” funded by the U.S. Small Business Administration. Co-Principal Investigator. November 1992-October 1994, \$71,683, SBA-7642-OA-92.

“An Analysis of Health Care in Kentucky,” funded by the Kentucky Cabinet for Human Resources. Co-Principal Investigator. June 1992-June 1993, \$148,099.



“Applied Microeconomics Research Program,” funded by the National Science Foundation. Co-Principal Investigator and Project Co-Director. October 1986–October 1992, \$325,612. This was a Component Project of the National Science Foundation Grant (RII-8610671) entitled “Kentucky EPSCoR: A Program to Build Basic Science and Engineering Research in Kentucky.”

“Older Workers in the Labor Market,” funded by the U.S. Small Business Administration. Co-Principal Investigator. November 1989–October 1991, \$57,832. Grant No. SBA-4113-OA-89.

“An Economic and Demographic Profile of Lottery Players,” funded by the Center for Business and Economic Research, College of Business and Economics, University of Kentucky, and the Department of Revenue Forecasting, State of Kentucky. Principal Investigator. October 1989, \$1,200.

“The Impact of a State Plan to Reduce Sulfur Dioxide and Oxides of Nitrogen Emissions on the Kentucky Economy,” funded by the Kentucky Division of Air Pollution Control. Principal Investigator. August 1986–April 1987, \$13,130. Memorandum of Agreement M/A 6956.

“Vertical Integration, Tying, and Two-Part Tariffs: An Analysis of Economic Symmetry and Legal Asymmetry,” funded by the Bureau of Economics of the Federal Trade Commission, Summer 1984.

“An Assessment of Postal Service Ratemaking,” funded by the Bureau of Consumer Protection's Division of Policy and Evaluation of the Federal Trade Commission, Summer 1983.

“Effluent Charge: An Alternative System for Achieving Water Quality Standards in Alabama: Pilot Study,” funded by the Water Resources Research Institute, Auburn, Alabama (with A. N. Link), 1980.

#### **Internally Funded**

“Developing a New Ph.D. Sequence in Business Economics,” funded by the Humana Instructional Grant Program, College of Business and Economics, University of Kentucky, Summer 1996.

“Employee Benefits and the Labor Market Opportunities of Older Americans,” sponsored by the Ashland Oil Summer Research Grant Program, College of Business and Economics, University of Kentucky, Summer 1989.

“Taxation and the Demand for Employer-Provided Health and Life Insurance,” sponsored by the Ashland Oil Summer Research Grant Program, College of Business and Economics, University of Kentucky, Summer 1986.

“The Preferential Tax Treatment of Fringe Benefits: Effects on Employee and Employer Choices,” sponsored by the Ashland Oil Summer Research Grant Program, College of Business and Economics, University of Kentucky, Summer 1985.

#### **CONSULTING AND EXPERT TESTIMONY**

Consultant and Expert Witness for Bowles Rice LLP in a civil lawsuit involving the economic relationship between two parties to a 1937 coal lease, Rockwell Mining LLC et al. v. Pocahontas Land LLC, Civil Action No. 2:20-C-00487; U.S. District Court for the Southern District of West Virginia, June 2021-- , deposed 10/1/21.

Consultant and Expert Witness for the Attorney General of West Virginia in a civil lawsuit involving monopolization and market allocation, State of West Virginia, ex rel. Patrick Morrissey, Attorney General, et al. v. CRH, plc, et al., CA No. 17-C-41 (Cir. Ct. Kanawha Cnty. -- Business Court), May 2015— September 2020, deposed 11/22/19, 12/16/19, 1/9/20.

Consultant and Expert Witness for Frost Brown Todd LLC and Jones Day in a civil lawsuit brought by the Attorney General of Kentucky involving possible price gouging by a major vertically integrated petroleum company, Commonwealth of Kentucky v. Marathon Petroleum (Commonwealth of Kentucky-Franklin Circuit Court: Civil Action No. 07 CI 00751), July 2007—August 2019, deposed 1/24/19.

Consultant and Expert Witness for Alston & Bird LLP in a civil lawsuit involving alleged anticompetitive behavior by a multiple listing service, Bolinger et al. v. First Multiple Listing Service, et al., (Case no. 2:10-cv-211-RWS, U. S. District Court Northern District of Georgia, Gainesville Division), July 2013—October 2013.

Consultant and Expert Witness for Barnes & Thornburg, LLP in a civil lawsuit involving alleged price fixing in real estate transactions, Casey William Hyland, et al. v. Home Services of America, Inc., et al., (Case no. 3:05-CV-612-R, U.S. District Court Western District of Kentucky, Louisville Division), March 2011—July 2012, deposed 3/30/12, 3/31/12.

Consulting expert for Duane Morris LLP in a bankruptcy lawsuit involving co-branding in a franchisor-franchisee relationship: Treasure Isles, Inc. v. A&W Restaurants, Inc., Long John Silver's, Inc., and Yum! Brands, Inc., (Case No. 10-50304, U.S. Bankruptcy Court Eastern District of Kentucky, Lexington Division), October 2010—February 2011.

Consultant and Expert Witness for Barnes & Thornburg, LLP in a criminal lawsuit brought by a state attorney general involving possible bidding irregularities in highway resurfacing contracts: United States v. Leonard Lawson, et al., (Case no. 08-21-DCR, U.S. District Court Eastern District of Kentucky, Frankfort Division), September 2008—January 2010, testified at trial 1/26/10-1/27/10.

Consultant and Expert Witness for Howry LLP/Baker & Hostetler LLP in a civil lawsuit involving vertical and horizontal aspects of southeastern dairy markets: Sweetwater Valley Farm, Inc. et al. v. Dean Foods Co., Inc. et al., (Case no. 2:07-cv-208, U.S. District Court Eastern District of Tennessee, Greeneville Division), September 2007—January 2013, deposed 4/12/10.

Consultant and Expert Witness for Antitrust Division of U.S. Department of Justice in Civil Inquiry into acquisition of Turner Dairies by Prairie Farms, Inc., August 2005—February 2006.

Consultant and Expert Witness for National Association of Realtors/Realtor Association of South Central Wisconsin in a tying lawsuit: Jay Reifert v. South Central Wisconsin MLS Corp., et al. (Case no. 04-C-0969-S, U.S. District Court Western District of Wisconsin), May 2005—August 2005, deposed 6/14/05.

Consultant and Expert Witness for National Association of Realtors/Northern Kentucky Board of Realtors in a tying lawsuit: Buyer's Corner Realty, Inc., Sherry Edwards v. Northern Kentucky Board of Realtors, Inc., Northern Kentucky Multiple Listing Service, Inc. (Case No. 04-37-WOB, U.S. District Court Eastern District of Kentucky, Covington Division), December 2004—October 2005, deposed 1/18/05.

Consultant to Blackburn, Hundley & Domene, PLLC in a breach of contract and antitrust case: John W. Wasson v. Peabody Coal Company and Indianapolis Power & Light (Case No. 02-90-C, U.S. District Court, Southern District of Indiana, New Albany Division), June 2003—February 2004.

Consultant and Expert Witness for Antitrust Division of U.S. Department of Justice in United States of America and Commonwealth of Kentucky v. Dairy Farmers of America, Inc. and Southern Belle Dairy Co. LLC (Civil Action No. 03-206-KSF, U.S. District Court Eastern District of Kentucky, London Division), August 2002—October 2006, deposed 4/26/04, 7/13/04.

Consultant and Expert Witness for EMI Network, Inc. in a breach of contract lawsuit: EMI Network, Inc. v. Media Networks, Inc. (Case No. C-1-02-172, U.S. District Court, Southern District of Ohio, Western Division), July 2002—July 2003, deposed 6/24/03.

Consultant to Reed Weitekamp Schell & Vice PLLC in a Section 1 Sherman Act investigation involving bidding for road resurfacing contracts, January 2001—March 2002.

Consultant and Expert Witness for Central Investment Company in a franchising lawsuit: *Pepsico, Inc. v. Central Investment Corporation* (Case No. C-1-98-389, U.S. District Court, Southern District of Ohio, Western Division), April 2000—December 2004, deposed 8/9/00, 11/9/00, 11/16/00.

Consultant and Expert Witness for The Goodyear Tire and Rubber Company in a franchising and antitrust lawsuit, Dallas, Texas, 1997-98.

Consultant and Expert Witness for Servpro Industries, Inc. in a franchising lawsuit: *Servpro of North Florida, Inc. et al. v. Servpro Industries, Inc. et al.*, December 1997—May 1998, deposed 3/13/98.

Consultant to consortium of public and private electric utilities in Kentucky for the purpose of estimating costs and analyzing economic effects of complying with proposed nitrogen oxide emission standards, March—April 1998.

Consultant and Expert Witness for Servpro Industries, Inc. in a franchising lawsuit: *Moss, et al. v. Servpro Industries, Inc., et al.*, November 1997—December 1997, February 2000—May 2000.

Consultant to Borden, Inc. in a Section 1 Sherman Act antitrust case involving the dairy industry: *Supermarket of Marlinton, Inc. v. Meadow Gold Dairies, Inc., et al.*, February 1997—June 1997.

Expert Witness for Borg-Warner Protective Services Corporation on anticompetitive effects of restrictive covenants: *Borg-Warner Protective Services, Corp. v. Guardsmark, Inc.* (Civil Action No. 94-169 in the U.S. District Court, Eastern District of Kentucky, Covington Division), December 1995—August 1996.

Consultant to Warehouse Beer Franchise, Inc. on principal-agent relationships and franchise termination clauses: *SLS Enterprise, Inc. v. Warehouse Beer Franchise, Inc.*, Common Pleas Court of Montgomery Co., Ohio. February—April 1995.

Consultant to Flav-O-Rich, Inc. on econometric estimation of damages in a Section 1 Sherman Act antitrust case in the dairy industry: *Commonwealth of Kentucky v. Flav-O-Rich, Inc., et al.* June 1994—January 1995.

Consultant to Ingersoll-Rand Co. on market definition and monopoly in a Section 2 Sherman Act antitrust case in the industrial air compressor industry: *Air Relief, Inc. v. Ingersoll-Rand Company.* March 1994—July 1994.

Expert Witness for Trauth Dairy, Newport, KY in the matter of *Commonwealth of Kentucky v. Louis Trauth Dairy, Inc.* (Civil Action File No. 92-50 in the U.S. District Court, Eastern District of Kentucky, Covington Division), October 1991—November 1996, deposed 7/29/93, testified at trial 10/31/96-11/1/96; and in the matter of *State of Ohio v. Louis Trauth Dairy, Inc., et al.* (Case No. Ci-93-553 in the U.S. District Court, Southern District of Ohio, Western Division), August 1993—July 1996, deposed 12/19/95-12/21/95.

Consultant to Yeary, Tate, Lowe & Rowlett in connection with *Millers Cove Energy Co. et al. v. Ronald L. Moore, et al.* in the U.S. Bankruptcy Court for the Eastern District of Tennessee, March 1993.

Consultant to McCoy & McCoy Environmental Consultants, Lexington, KY, on the economic impact of a proposed landfill in eastern Kentucky, Winter 1991.

Consultant to Kincaid, Shaeffer, Hembree, Van Inwegen & Kinser, Lexington, KY, on fixed costs vs. variable costs and on opportunity cost of idle capacity in manufacturing facilities: *Lanson Industries v. Foam Design, Inc.* Summer 1990.

Consultant to Third Class Mail Association on economies of scale and scope in the U.S. postal system, January 1989.

“Concerning Ramsey Pricing,” Direct Testimony before the Postal Rate Commission, Docket Number R87-1, October 27, 1987.

“Applying Ramsey Prices to the R84-1 Rate Case,” prepared for the Third Class Mail Association (represented by Cohn and Marks, Washington, DC), April 1987, for use in R87-1 Hearings before the Postal Rate Commission.

Consultant to Thalheimer Research Associates, Lexington, KY, and Churchill Downs, Keeneland, Latonia, and Ellis Park race tracks on the economic impact of Kentucky's thoroughbred racing industry, January 1986.

Consultant to Thalheimer Research Associates, Lexington, KY, and the Army Corps of Engineers to design a monitoring program for the Tug Fork Valley flood control program, Winter 1985.

Consultant to Federal Trade Commission on cogeneration and electricity pricing, May 1985.

Senior Economic Consultant for Auburn Technical Assistance Center on Project to Computerize Selected Regulatory Activities of the Alabama Public Service Commission, January—September, 1982.

“An Economic Analysis of Lifeline Rates,” prepared for Alabama Power Company, Birmingham, Alabama, 1980 (with A. N. Link), for use in P.U.R.P.A. hearings before the Alabama Public Service Commission.

## **FELLOWSHIPS AND AWARDS**

Gatton College of B&E Teaching Excellence Award, 2018.

Gatton MBA Favorite Teacher Award, 2011-12, 2012-13

Department of Economics Outstanding Teacher Award, 2000-01, 2012-13

Outstanding Paper, Kentucky Economic Association Meetings, October 1992, October 1999

Michigan State University Institute of Public Utilities Doctoral Fellowship, 1978

Governor's Fellowship, University of Virginia, 1974-1977

Omicron Delta Kappa, 1973

## **PROFESSIONAL MEMBERSHIPS**

American Economic Association

Southern Economic Association

Western Economic Association

Industrial Organization Society

Kentucky Economic Association

## **COMMITTEES**

### Department

Master's Exam Committee, Spring 1985, Summer 1986, Summer 1988 (Chair), Summer 1990, 1991.

Ph.D. Microeconomic Theory Exam Committee, 1986-91, 1994-2005, (Chair in various years).

Ph.D. Industrial Organization Field Exam Committee, 1990, 1992 (Chair), 1994 (Chair), 1996 (Chair), 1998 (Chair), 2000 (Chair), 2002 (Chair), 2004 (Chair), 2006 (Chair), 2008 (Chair), 2012 (Chair), 2015 (Chair), 2016 (Chair), 2017 (Chair), 2020 (Co-chair).

Ph.D. Public Economics Field Exam Committee, 1995, 1999.  
Ph.D. Health Economics Field Exam Committee, 1995.  
M.B.A. Examining Committee, 1994, 1995.  
Graduate Studies Committee, 1990-91 (Chair), 1997-03, 00-05 (Chair), 05-08, 09-13, 16-19.  
Director of Placement, 1998-99.  
Undergraduate Studies Committee, 1984-85, 85-86, 86-87, 87-88, 93-94, 94-95.  
Recruiting Committee, 1982-83, 85-88, 89-90, 96-97 (Chair), 97-98 (Chair), 98-00, 03-04 (Chair),  
06-07, 07-08 (Chair). 11-12, various ongoing assignments . . .  
Teaching Evaluation Advisory Committee, Fall 1986.  
Coordinator of Principles, 1985-86, 86-87, 87-88, 89-90.  
Coordinator of Personal Computing, 1986-87.  
Ad Hoc Self-Study Committee for Department of Economics (Chair), 1988-89.  
Economics Awards Committee, 1995-96.  
Graduate Innovation Committee, 1995-96.  
Gatton Endowed Chair Search Committee, 2004, 08.  
ECO 401 Review Committee (chair), 2012-13.

### College

Ad Hoc Undergraduate Review Committee, 1983.  
Search Committee for Department Chair, Economics Department, 1989-90.  
Dean's Advisory Committee, 1989-90.  
School of Accountancy Review and Evaluation Committee (Chair), 1990-91.  
Graduate Studies Committee 1990-91, 99-00.  
DBA/PhD Policy Committee 1990-91, 2001-04.  
Humana Visiting Scholar Committee 1991.  
MBA Policy Committee 1994-95, 96-98, 2005-20, (Chair, Executive Committee 2015-16).  
UK-UL Executive MBA Policy Committee, 2014-2020.  
MBA Curriculum Review Committee, 2003.  
CBER Advisory Committee, 1995-10.  
Center for Entrepreneurship Board of Advisors, 1996-98.  
School of Management Gatton Chair Search Committee, 1998.  
Operating Committee, 2001-02.  
Strategic Planning Committee, 2006-07, 07-11.  
Promotion and Tenure Committee, 2008-09, 10-11, 11-12, 12-13.  
MBA Program Director Search Committee (Chair), 2010-2011.  
Ad Hoc Committee to Study Business Analytics Major (Chair), 2012.

### University

University Senate, 1989-1992.  
Academic Planning and Priorities Committee, 1989-92 (Chair 1991-92).  
University Self-Study: Academic Support Committee, University Staff Subcommittee, 1990.  
Focus Group for the Review of the Research and Graduate Studies Strategic Plan, 1992.  
Graduate Council Committee on Fellowships and Traineeships, Social Sciences Panel, 1995-97.  
Sturgill Award Committee, 1996.  
Academic Area Advisory Committee for the Social Sciences, 1996-98.  
Academic Excellence Scholarship Award Committee, 1997.  
Senate Advisory Faculty Code Committee, 2001-2.  
Graduate Council 2006-09.  
Presidential Fellowship Award Committee, 2009.  
Oswald Research and Creativity Program, Social Sciences Judge, 2012.  
Graduate School Promotion and Tenure Committee, 2019.  
Patterson School Director Search Committee, chair, 2019-20.

## **COURSES TAUGHT**

### Undergraduate:

Contemporary Economic Issues  
Principles of Microeconomics  
Principles of Macroeconomics  
Intermediate Microeconomics  
Market Structure and Antitrust  
Business Economics  
Business and Economics Statistics  
Seminar in Applications of Microeconomics  
Seminar in Law and Economics

### Graduate:

Microeconomic Theory  
Industrial Organization  
Economics of Strategy  
Statistics  
Econometrics  
Managerial Economics (MBA, EMBA)  
Social and Legal Environment of Business (MBA)  
Public Policy: Economic Analysis (MPA)

## **DISSERTATION AND THESIS COMMITTEES**

### **2020**

Alexander McGlothlin, Ph.D. in Economics, committee chair, “Antitrust Implications for Mergers Involving Maverick Firms.”

Sam Ingram, Ph.D. in Economics, committee member.

### **2019**

Zheng Wang, Ph.D. in Economics, committee chair, “Price Discrimination on Complementary Goods: Evidence from the Men’s Shaving Razor Market.”

Ben Wallace, Ph.D. in Economics, committee member.

Georgette Owusu-Amankwah, Ph.D. in Agricultural Economics, committee member.

Tyson van Alfren, Ph.D. in Business Administration (finance), committee member.

Michael Farrell, Ph.D. in Business Administration (finance), committee member.

### **2018**

Gray Forlines, Ph.D. in Economics, committee chair, “Essays on the Role of Government Regulation and Policy in Health Care Markets.”

David Moore, Ph.D. in Business Administration (Finance), committee member.

Kevin Chase, Ph.D. in Business Administration (Marketing), Graduate School outside member.

### **2016**

Xile (Sheila) Li, Ph.D. in Agricultural Economics, committee member.

### **2015**

Sarah Magnotta, Ph.D. in Business Administration (Marketing), Graduate School outside member.

### **2014**

Derrick Jenniges, Ph.D. in Economics, committee member.

Tim Riley, Ph.D. in Business Administration (Finance), committee member.

Robert Farmer, Ph.D. in Business Administration (Marketing), Graduate School outside member.

### **2013**

Stephen Locke, Ph.D. in Economics, committee member.

Bruno Arthur, Ph.D. in Agricultural Economics, committee member.

### **2012**

Dave Yaskewich, Ph.D. in Economics, committee member.

Scott Soltis, Ph.D. in Business Administration (Management), Graduate School outside member.

Monika Rabarison, Ph.D. in Business Administration (Finance), committee member.

**2011**

Tanmoy Bhattacharya, Ph.D. in Economics, committee chair, "Price Levels and Dispersion with Asymmetric Information."

Xiaofei Wang, Ph.D. in Economics, committee chair, "Anticompetitive Effects of Horizontal Mergers in China."

David Barrus, Ph.D. in Economics, chair, "Firm Bidding Behavior in Highway Procurement Auctions: An Analysis of Single-Bid Contracts, Tacit Collusion, and the Financial Impacts on Kentucky."

Johnny Ducking, Ph.D. in Economics, committee member.

**2010**

Abdullah Al-Bahrani, Ph.D. in Economics, committee chair, "Market Structure and Mortgage Pricing: The Role of Information on Firm and Consumer Behavior."

Jill Kirby, Ph.D. in Business Administration (Finance), committee member.

Mary Beth Holbrook, Ph.D. in Business Administration (Accounting), Graduate School outside examiner.

**2009**

Ken Sanford, Ph.D. in Economics, committee co-chair, "Two Empirical Essays in Discrete Choice: Ticket Pricing Decisions by Price Discriminating Monopolists; State Income Taxes and Residential Location Choice."

Jason Beck, Ph.D. in Economics, committee co-chair, "Three Essays on Residential Real Estate Brokerage."

Goce Andrevski, Ph.D. in Business Administration (Management), committee member.

Carla Childers, Ph.D. in Business Administration (Marketing), committee member.

**2008**

Emma Bojinova, Ph.D. in Economics, committee member.

Brandon Koford, Ph.D. in Economics, committee member.

Qun Wu, Ph.D. in Business Administration (Finance), committee member.

**2007**

Wenbin Zang, Ph.D. in Economics, chair, "Entry and Competition of Special Services in Local Hospital Markets."

Rutherford Johnson, Ph.D. in Agricultural Economics, committee member.

Lucia Ona, Ph.D. in Agricultural Economics, Graduate School outside examiner.

Rachel Lange, Ph.D. in Economics, committee member.

**2005**

Nantavut Phipatserathim, Ph.D. in Economics, co-chair, "The Effects of Declining Demand and Asset Specificity on Mergers."

Mary Phillips, Ph.D. in Business Administration (Accountancy), Graduate School outside examiner.

**2004**

Jeremy Thornton, Ph.D. in Economics, committee member.

**2003**

Arun Srinivasan, PhD in Economics, committee member

**2002**

Roxana Toma, Ph.D. in Economics, co-chair, "The Corporate Merger Phenomenon: Determinants and Changes in Merger Policies, Evidence for Acquiring Firms 1986-1998."

Hayden Brown, Ph.D. in Economics, co-chair, "Geographic and Group Variation in Supplemental Security Income."

Dong Kwan Kang, Ph.D. in Economics, co-chair, "Ownership Concentration, Vertical Integration, and their Determinants in Korean Corporations: How Do Chaebols' Organization Affect Ownership Concentration and Vertical Integration?"

Agus Harjoto, Ph.D. in Economics, committee member.

Michael Highfield, Ph.D. in Business Administration (Finance), committee member.

Barbara Vick, Ed.D. in Instruction and Administration, Graduate School outside examiner.

**2001**

Ivan Roten, Ph.D. in Business Administration (Finance), committee member.

Mike Bewley, Ph.D. in Economics, committee member.

Catherine McCabe, Ph.D. in Business Administration (Marketing), committee member.

**2000**

Amitabh Chandra, Ph.D. in Economics, committee member.  
Sang Lee, Ph.D. in Business Administration (Finance), committee member.  
Klara Sabirianova, Ph.D. in Economics, committee member.

**1999**

Monica Greer, Ph.D. in Economics, committee member.  
Angela Ritzert, Ph.D. in Economics, committee member.  
Matt Udie, Ph.D. in Public Administration, Graduate School outside examiner.

**1998**

Dennis Wilson, Ph.D. in Economics, chair, "The Economic Structure of Professional Team Sports Leagues."  
Kay Chang, Ph.D. in Economics, committee member.  
Brett Noel, Ph.D. in Economics, committee member.  
Austin Reitenga, Ph.D. in Business Administration (Accountancy), committee member.  
Chuleeporn Changchit, Ph.D. in Business Administration (Decision Sciences), Graduate School outside examiner.

**1997**

Diane Bruce, Ph.D. in Economics, chair, "A Hedonic Analysis of the Cable Television Industry and the Impact of Regulation."  
Michael Gumper, Ph.D. in Economics, 1997, committee member.  
Mike Shelton, Ph.D. in Communication, 1997, Graduate School outside examiner.

**1996**

John Jones, Ph.D. in Economics, chair, "Transborder Transportation Regulations and Trade."  
Scott Bellamy, Ph.D. in Economics, 1996, committee member.  
Jeff Anstine, Ph.D. in Economics, 1996, committee member.  
Prais Widjojo, Ph.D. in Economics, 1996, committee member.  
Mike Clark, Ph.D. in Economics, 1996, committee member.  
Doug Bice, Ph.D. in Economics, 1996, committee member.

**1995**

Juett Cooper, Ph.D. in Business Administration (Management), 1995, committee member.  
Shyam Nath, Ph.D. in Business Administration (Management), 1995, committee member.

**1994**

Sandra Rivera, Ph.D. in Economics, 1994, committee member.

**1993**

Ed Hufft, Ph.D. in Business Administration (Management), 1993, committee member.  
Gary Keener, Ph.D. in Economics, 1993, committee member.  
Shelley Webb, Ph.D. in Business Administration (Finance), 1993, committee member.  
Adi Bambang Winarso, Ph.D. in Economics, 1993, committee member.

**1992**

Alina Zapalska, Ph.D. in Economics, 1992, committee member.  
Brad Wimmer, Ph.D. in Economics, 1992, committee member.  
Gail Mitchell-Hoyt, Ph.D. in Economics, 1992, committee member.  
Cathy Carey, Ph.D. in Economics, 1992, committee member.

**1990**

Greg Filbeck, D.B.A. in Finance, 1990, Graduate School outside examiner.  
Booil Jeon, Ph.D. in Economics, 1990, committee member.

**1989**

Peter Groothuis, Ph.D. in Economics, 1989, committee member.  
Suzanne Schmitz, Ph.D. in Economics, 1989, committee member.  
Duha Chowdhury, D.B.A. in Management, 1989, committee member.  
John Whitehead, Ph.D. in Economics, 1989, committee member.

**1988**

Sharon Lee, D.B.A. in Finance, 1988, committee member.  
Tim Stanton, Ph.D. in Economics, 1988, committee member.

**1987**

Robert Bradley, Ph.D. in Political Science, 1987, Graduate School outside examiner.  
Darrell Glenn, Ph.D. in Economics, 1987, committee member.



**1986**

Ed Gillenwater, D.B.A. in Management, 1986, committee member.

Assim Ghosh, D.B.A. in Finance, 1986, committee member.

Bedingar Toubamatingar, Ph.D. in Agricultural Economics, 1986, Graduate School outside examiner.

**1985**

Werner Waldner, Ph.D. in Economics, 1985, committee member.

**1981**

Ken Somppi, M.S. in Economics, Auburn University, 1981, thesis director.

Karen Smith, M.S. in Economics, Auburn University, 1981, thesis director.

**1980**

Ellen Galvin, M.S. in Economics, Auburn University, 1980, committee member.