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PROFESSIONAL EXPERIENCE

1986-Present Charles Franklin Phillips Professor of Economics, Bates College
2006-2007 Visiting Scholar, Harvard University
1999- 2003 Visiting Professor of Economics, Harvard University
1985-1986 Visiting Scholar, The World Bank
1980-1986 Senior Economist, The Rand Corporation
Member of the Faculty, Rand Graduate School
1980-1986 Professor of Economics, Claremont Graduate School
1978-1980 Associate Professor of Public Policy, Duke University
1977-1978 Visiting Assistant Professor of Economics, U.C., Berkeley
1973-1978 Assistant Professor of Economics, University of Virginia
1972-1973 Acting Assistant Professor of Economics, U. C., San Diego
1970-1971 Instructor, Iowa State University

EDUCATION

1974, Ph.D., Economics, Iowa State University
1971, M.S., Economics, Iowa State University
1968, B.A., Social Sciences, University of Santa Clara

PUBLICATIONS

Books

Econometrics, A Modern Introduction, Addison-Wesley, 2005.
Building Organizational Decision Support Systems (with others), Academic Press, 1992.
Subsidizing Industrial Location: With Application to Korea, Johns Hopkins Univ. Press, 1988.

Articles

“Modern Time-Series Methods and the Dynamics of Prison Populations,” *Criminology & Public Policy*, Volume 8, Issue 1, February 2009, Pages: 79-86
“Avoiding Invalid Instruments and Coping with Weak Instruments,” *Journal of Economic Perspectives*, 20,4, Fall, 2006, 111-132.

"When is the Standard Analysis of Common Property Extraction under Free Access Correct?-- A Game-Theoretic Justification for Non Game-Theoretic Analyses." (with others), *Journal of Political Economy*, August, 1999, 843-858.

"Cointegration and Crowding Out: Subsidized and Unsubsidized Housing Stocks 1935-1987" *Journal of Real Estate Finance and Economics*, January, 1999.

"Teaching In A Computer Classroom: Lessons From an Econometrics Course," *Journal of Economic Education*, Summer, 1999.

"The Distribution of Direct Tenant Benefits from Public Housing," *The Economics of Housing*, John Quigley, ed., Edward Elgar Publishers, 1997. (Reprinted from *Econometrica*, July 1975, 771-788.)

"A Drunk and Her Dog: An Illustration of Cointegration and Error Correction," *American Statistician*, vol. 48, no. 1, February, 1994, pp. 37-39.

"How Inefficient Are Multiple In-Kind Transfers?" *Economic Inquiry*, April, 1994, pp. 209-227.

"Census Adjustment and the Distribution of Federal Spending," *Demography*, August 1992, pp. 319-332.

"Analyzing Rent Control: The Case of Los Angeles," (with others) *Economic Inquiry*, (November 1991), pp. 621-625.

"A Three Factor Production Function for Multi-Family Housing: A Study in Philanthropy," (with E.B. Hutchinson), *Urban Studies*, vol. 26 (1989), pp. 234-239.

"How Rent Control Affects Property Taxes" (with C.P. Rydell), *Property Tax Journal*, (March 1987).

"Mythical Demands and Mythical Supplies for the Proper Estimation of Rosen's Hedonic Price Model," *Journal of Urban Economics*, 14 (1983), pp. 327-337.

"Subsidized and Unsubsidized Housing Starts, 1961-1977," *Review of Economics and Statistics*, LXV, 4 (November 1983), pp. 590-597.

"The Possibility and Optimality of Positive Rent Gradients" (with R. Grieson), *Journal of Urban Economics*, 9 (1981): 275-285.

"A Reinterpretation of the Traditional Income Leisure Model and Its Application to Subsidy Programs," *Journal of Public Economics*, 14 (1980): 69-81.

"Tenant Benefits in Alternative Federal Housing Programs," *Urban Studies*, 17 (1980): 25-34.

"Econometric Estimation of Peak Electricity Demand" (with others), *Annals of Applied Econometrics*, January 1979: A Supplement to the *Journal of Econometrics* (see *Corrigenda, Journal of Econometrics*, August 1979): 119-136.

"The Demand for Electricity in Virginia," *Review of Economics and Statistics* (with others), (November 1978): 585-600.

"Methodologies for Estimating Housing Benefits," *Public Finance Quarterly*, (April 1978): 161-192.

"Hedonic Prices and Composite Commodities," *Journal of Urban Economics*, (April 1978): 188-197.

"Vertical Equity in Transfer in Kind Programs: An Analytic Rule," *Southern Economic Journal*, (April 1977): 1604-1607.

"A Potential Hazard of Housing Allowances for Public Housing," *Journal of Urban Economics*, 4 (April 1977): 119-134.

"Hicks, Marshall, and Points Off the Demand Curve," *Public Finance Quarterly*, 4, 1976, 493-500.

"The Liquidity Impact of Debt Management: A Comment," (with Dudley Lockett) *Southern Economic Journal*, (April 1972): 581-84.

Reports & Book Chapters

"Military Recruiting: Trends, Outlooks, and Implications," A Rand Research Brief, The RAND Corporation, Santa Monica, CA, 2001.

Recent Recruiting Trends and Their Implications for Models of Enlistment Supply (with L. McDonald), R847-OSD/A, The RAND Corporation, Santa Monica, CA, 1999.

"Infrastructure Bottlenecks, Private Provisions and Industrial Productivity: A Study of Indonesian and Thai Cities, (with others)," The World Bank, May, 1996.

"Why Manufacturing Firms Produce Some Electricity Internally," (with others) The World Bank, May, 1996.

Rural Industry and Employment Study: A Synthesis Report (with others), Thailand Development Research Institute, Bangkok, Thailand, 1990.

Middle-term Loss Prediction Models for the Air Force's Enlisted Force Management System: Information for Updating, N-2764-AF, The RAND Corporation, Santa Monica, California, May 1989.

What's on the Year at Risk File, (with others), N-2744-AF, The RAND Corporation, Santa Monica, California, March 1989.

"Rural-Urban Exchange in Kutus Town and It's Hinterland," (with others), Institute for Development Anthropology and Clark University, 1988.

What's on the Enriched Airman Gain/Loss File, (with others), N-2610-AF, The RAND Corporation, Santa Monica, California, May 1988.

Middle-term Loss Prediction Models for the Air Force's Enlisted Force Management System: Specification and Estimation (with others), R3482-AF, The RAND Corporation, Santa Monica, California, October, 1987.

"Analyzing Rent Control: The Case of Los Angeles" (with others), in the proceedings of Rent Control: The International Experience, Queens University, Kingston, Ontario, 1987.

"Here, There, Where? A Strategy for Evaluating Industrial Location Policies in Korea," The World Bank, Report No. UDD-6, Washington, D.C., 1983.

Conceptual Design of an Enlisted Force Management System for the Air Force (with others), The Rand Corporation, N-2005-AF, Santa Monica, California, 1983.

"Energy and the Existing Stock of Housing" (with K. Neels), in Energy Costs, Urban Development and Housing, A. Downs and K. Bradbury, eds., The Brookings Institution, 1983.

"Real Versus Monetary Transfers: Lessons from the American Experience," in Alternativen zur Steigerung der Effizienz and Effektivitat Staatlicher Transferpolitik, M. Pfaff, ed., Duncker and Humblott, Berlin, 1983.

"Eligibility and Participation" (with others), in Experimenting with Housing Allowances, Ira S. Lowry, ed., Oelgeschlager, Gunn and Hain, Cambridge, Mass., 1983.

"Countercyclical Housing Policies: Microeconomic Medicine for Macroeconomic Ills," in Proceedings of a Symposium on Countercyclical Stimulus Proposals for Multifamily Housing, U.S. General Accounting Office, 1982.

Housing Consumption in a Housing Allowance Program (with others), R-2779, The Rand Corporation, July 1982.

"Retention of Enlisted Personnel: Overview of Models and Empirical Results," WD-1422-AF, The Rand Corporation, February 1982.

The Impact of Rent Control on the Los Angeles Housing Market (with P. Rydell et al.), The Rand Corporation, N-1747-LA, August 1981.

Book Reviews

“David Colander: The Stories Economists Tell”, book review, Journal of Economic Education, Summer, 2007, Volume 38, No. 3, 365-367.

“Shlomo Angel: Housing Policy Matters: A Global Analysis,” book review, Journal of Housing Economics, 10, 2001, 210-215.

“The Home Front: Housing Policy and Welfare Reform,” book review, Journal of Regional and Urban Economics, 2000.

WORK IN PROGRESS

“Skintone, Phenotypicality and Foul Calls in the NBA,” (with others).

“The Bad, the Weak, and the Ugly: Avoiding the Pitfalls of Instrumental Variables Estimation.” available at http://papers.ssrn.com/sol3/papers.cfm?abstract_id=843185

“Racial Attitudes and On-the-Job Behavior of Police: A Research Design,” (with M. Sargent).

“Welfare’s Stringency and the Inter-State Mobility of Women” (with B. Hagberg).

“Inter-State Differences in Welfare’s Stringency” (with K. Sand).

“Seller’s Reputation and Buyer’s Welfare on EBay” (with A. Staisiunas).

“U.S. Rental Housing in the 20th Century” (with D. DiPasquale).

“Private Infrastructure Provision in Developing Countries,” revise and resubmit at World Development Report (with A. Anas and K. S. Lee).

PROFESSIONAL ORGANIZATIONS/HONORS

Member, Board of Editors, Journal of Economic Education, 2005-

Member, American Economics Association Committee on Economics Education, 1999-2005

Member, Board of Editors, Economic Inquiry, 1989-1997

Referee for: American Economic Review; Econometrica; Journal of Political Economy; Review of Economics and Statistics; Journal of Economic Literature; Journal of Urban Economics; Journal of Public Economics; Public Finance Quarterly; Journal of Economic Issues; Urban Studies; Management Science; Journal of Economic Studies; Economic Inquiry; Scandinavian

Journal of Economics; Journal of Human Resources; Policy Sciences; Journal of Criminology and Public Policy; and Journal of Economic Education.

Visiting Scholar, Department of Housing and Urban Development, Summer 1979.

National Defense Education Act Fellow, 1971-72

CONSULTANCIES

U.S. Naval Academy, 2006, external review of the Economics Department.

ABT Associates, 2003-2004 on low income housing programs.

Expert witness on employment discrimination and in valuation matters related to tax liabilities, personal injury, and wrongful discharge, 1984-2002.

JURECON, Inc. on the construction and use of price indices in an anti-trust matter, 1998.

HUD, to reviewing proposals to study the nexus of U.S. housing policy and welfare reform, 1998.

RAND Corporation on forecasting high quality recruits for the Armed Forces., 1994-1998.

World Bank on industrial location in Thailand, Indonesia, Korea, and Nigeria 1983-1997.

NASA on launch service vouchers, 1993.

World Bank on housing market regulation in Bolivia, 1991.

U.S. Department of Commerce on statistical corrections of the U.S. census, 1990-92.

World Bank on housing market reform in Eastern Europe, 1990-1993.

RAND Corporation, 1986-1991, on enlisted force management for the Air Force.

World Bank, 1986-1987 and to SARSA/CLARK, 1987-1990, on the role of African secondary cities and towns in the development of their hinterlands, with field work in Ghana and Kenya.

World Bank, 1985-1986: a public expenditure review in Zambia, responsible for regional development and housing expenditures.

World Bank, 1985 on electricity distribution and industrial costs in Nigeria.

ABT Associates and The Urban Institute, 1974-1979 on Housing Allowance Experiments.

Virginia State Corporation Commission on electricity demand, 1976-1977.

Department of Housing and Urban Development, Housing Task Force, 1973.

COURSES TAUGHT (undergraduate unless otherwise noted)

Bates College:

Micro Principles

Behavioral Economics

Wealth, Income, Race, and Gender

Strategic Behavior (Short Term Unit)

Forecasting (Short Term Unit)

Housing in Transition Economies (Short Term Unit)

The Individual and Community (First Year Seminar)

Intermediate Micro

Statistics

Econometrics

Advanced Econometrics

Urban Economics

Public Economics

Development Economics

Optimal Control Theory with Economic Applications (cross-listed in Mathematics)

Harvard University:

Econometrics

Development Economics Honors Thesis Seminar

Claremont Graduate School:

Microeconomic Theory I (graduate)

Microeconomic Theory II (graduate)

Public Economics (graduate)

Urban Economics (graduate)

U.C. Berkeley:

Health, Education, and Welfare

Univ. of Virginia:

Micro Principles

Macro Principles

Statistics

Statistics (graduate)

Econometrics (graduate)

General Equilibrium Theory

Consumption Theory

Duality Theory

U.C., San Diego:

Monetary Theory

Housing Economics

Marxian and Radical Economics

SEMINAR PRESENTATIONS (Some dates approximate)

Harvard/MIT Joint Center for Housing Research 2007

Univ. of Santa Clara 2006

Indiana Univ. 2003

Bates College 2003

Lincoln Institute for Land Policy 2000

Univ. of Virginia 2000

Duke Univ. 1997

Bates College 1996

Colby College 1995

Swarthmore College 1995

Univ. of Miami 1995

Univ. of Chicago 1994

Iowa State Univ. 1994

Stanford Univ. 1993

Claremont Graduate School 1992

The RAND Corporation 1992

Rutgers Univ. 1992

Harvard University (Economics) 1992

U.C., Berkeley 1992

Brown University 1990

Univ. of Tennessee, Chattanooga 1989

Harvard Univ. (Kennedy School) 1988

Maine Society of Accountants 1988

Univ. of Tennessee, Knoxville 1987

Boston College 1987

Queen's University 1987

Bates College 1986

U.C., Irvine 1984

U.C., Davis 1984

Department of Defense 1983

Univ. of Minnesota 1983

The World Bank 1983

Claremont McKenna College 1983

GAO 1982

Univ. of Augsburg 1982

Univ. of British Columbia 1980

Mathematica 1979

The RAND Corporation 1979

SUNY, Buffalo 1978

Bell Labs 1978

Harvard Univ. (Kennedy School) 1978

Tufts Univ. 1978

Stanford Univ. 1977

University of Pennsylvania (Wharton) 1976

The Urban Institute 1975
American Economic Association 1974
Univ. of North Carolina 1973
SUNY, Buffalo 1973
Univ. of Virginia 1973
Cal. State Fullerton 1972
Kansas State Univ. 1972
Univ. of Missouri, St. Louis 1972