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**Date of Birth:** September 3, 1940

**Married:** Julie S. Peyton, June 22, 1963

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**Education, Honors, and Grants:**

B.A., Harvard University, 1962.  
Magna Cum Laude in Economics;  
Phi Beta Kappa; Allyn Young Prize.

A.B., Oxford University, 1964.  
A.M., Oxford University, 1969.  
First Class Honours in Philosophy, Politics, and Economics; Marshall Fellowship;  
George Webb Medley Senior Prize.

Ph.D., Massachusetts Institute of Technology, 1967.  
National Science Foundation Fellowship.  
Ford Foundation Dissertation Fellowship.  
Ph.D Dissertation: "Problems in the Measurement of Real Investment in the U.S.  
Private Economy."

Recipient, NSF Research Grant, 1971-2003; recipient Kauffman Foundation research grant 2010-14,  
Smith-Richardson Foundation Research Grant, 2017-19.

Distinguished Fellow, American Economic Association, selected 2014

Fellow, Econometric Society, elected 1977.

Fellow, American Academy of Arts and Sciences, elected 1997.

John Simon Guggenheim Memorial Fellowship, 1980-81.

German Marshall Fund Research Fellowship, 1986.

Lustrum Award, Economic Faculty-association Rotterdam, 1999

Annual honoree of Economists for Peace and Security, January 7, 2012

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**Positions:** 1987- : Stanley G. Harris Professor in the Social Sciences, Northwestern University.  
1992-96: Chair, Department of Economics, Northwestern University.  
1973- : Professor of Economics, Northwestern University.  
1968-73: Assistant Professor of Economics, University of Chicago.  
1967-68: Assistant Professor of Economics, Harvard University.

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**Other Activity:**

Treasurer, Econometric Society, 1975-2005.

Research Associate, National Bureau of Economic Research (member of research programs on Economic Fluctuations and Growth, International Finance and Macroeconomics, Productivity; member Business Cycle Dating Committee), 1968- ; Research Fellow, Centre for Economic Policy Research, London, 1983- . Research Associate, Observatoire Français des Conjonctures Economiques, Paris, 2001- 11; Member of LIGEP Policy Panel, LUISS University, Rome, 2009-2012.

Member or Senior Advisor: Brookings Panel on Economic Activity, 1970-2007.

Elected Member of American Economic Association Executive Committee, 1981-83; Board of Editors, *American Economic Review*, 1975-77; Co-Editor, *Journal of Political Economy*, 1970-73.

Co-Chair, International Seminar on Macroeconomics (sponsored by NBER and European Economic Association), 1978-94. Member, Economic Advisory Panel, Congressional Budget Office, 1996-2010; Member, Advisory Committee, Bureau of Economic Analysis, 1999-2021; Member, Technical Panel on Assumptions and Methods of the Social Security Administration, 2002-03 and 2006-07; Member, Advisory Commission to Evaluate the Consumer Price Index ("Boskin Commission"), established by U. S. Senate, 1995-97. Member, Executive Committee, Conference on Research in Income and Wealth, 1978-83; Member, NSF Economics Advisory Panel, 1973-76; Member Advisory Council, International Productivity Monitor, 2015- ..

**Invited Lectures:** Royal Economic Society, 1981; Midwest Economics Association, 1983; Journal of Money, Credit, and Banking, 1984; Centre for International Research in Economic Tendency Surveys, 1987; Southwestern Economics Association, 1989; Erasmus University, Rotterdam, 1999; Bruno Kreisky Foundation, Vienna, 1999; Australian Economics Association, 2000; Swiss Economics Association, 2001; European Central Bank, 2001; IUI Stockholm, 2001; AWH Phillips Lecture, Australasian Econometric Society Meetings, Wellington NZ, July 2008; TUSIAD Istanbul, October 2013; New School for Social Research, October 2013; European Central Bank, April 2015; *Le Monde* Festival, September 2015; Tufts University, April 2016; Davidson College, March 2017; New School for Social Research, April 2017; Cornell University, May 2017; LUISS University, Rome, May 2018; Brussels Economic Forum, June 2018; Boston College, June 2018; Global Economic Conference, Arlington VA, July 2018; .Nikkei Economic Conference, Tokyo, February 2020; BCA Investment Conference, London, October 2021; Technology and Society Conference, New York, April 2022.

**Keynote Speeches:** Conferences in Oviedo Spain, October 2003, and Seville, Spain, November 2003; Competition Day on the Occasion of EU Enlargement to 25 Nations, Dublin, April 2004; North American Productivity Workshop, NYU, June 2006; Conference on Inequality at the New School, New York, 2007; AGW conference in Brussels, June 2007; European Commission ECFIN conference Brussels, October 2007; Bureau of European Economic

Policy Advisers, Brussels, December 2007; Dubrovnik Economic Conference, Dubrovnik, June 2008; International Workshop on Chinese Productivity, Zhejiang University, Hangzhou China, September 2008; Seventh Macroeconomic Policy Research Workshop, Magyar Nemzeti Bank and CEPR, Budapest, October, 2008; ZEW Mannheim Conference on Inflation, February, 2009; First Meeting of Chinese Economic Association Europe, Dublin, July, 2009; International Conference on History of Economic Thought, University of Sao Paulo, August 2009; CIRET conference, New York, October 2010; IMF/SNB conference, Copenhagen, September 2011; TED Conference, Long Beach CA, February 2013; CEPREMAP, Paris, November 2014; Bank of Canada, June, 2015; Peterson Institute of International Economics, November, 2015; CLSA Hong Kong, September 2016; Southern Methodist University, November 2016; Rice University, September 2017; Institute of International and European Affairs, October 2017; AI World Conference, Tokyo, March 2021; Institute of International and Economic Affairs, Dublin, October 2021; IZW Workshop on Macroeconomics and Productivity, Bonn, November 2022; Musashi International Symposium on World Secular Stagnation, Tokyo, March 2023; Zvi Griliches Memorial Conference, Paris, May 2024..

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Teaching and Workshops:

Economic Principles; Intermediate Macroeconomics; Monetary Theory and Institutions; Monetary and Fiscal Policy; Public Finance; Economics of Urban Problems; Freshman Seminar on World Wars I and II; Money Workshop; Econometrics Colloquium; Macro Workshop.

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**Books Published:**

1. *Macroeconomics*. Little, Brown, and Co., 1978, 1981, 1984, 1987; Scott, Foresman, 1990; Harper-Collins, 1993, Addison-Wesley, 1998, 2000, 2003, 2006, 2009, twelfth edition 2012. Other editions in Chinese, Japanese, Spanish, French, French Canadian, German, Italian, and Portuguese.
2. *Challenges to Interdependent Economies: The Industrial West in the Coming Decade* (with Jacques Pelkmans). McGraw-Hill, 1979.
3. *The Measurement of Durable Goods Prices*. University of Chicago Press for National Bureau of Economic Research, 1990.
4. *Inflation, Unemployment, and Productivity Growth*. Cambridge University Press, 2004.
5. *The Rise and Fall of American Growth: The U. S. Standard of Living Since the Civil War*. Princeton University Press, 2016. Translated into Chinese, Japanese, and Korean.

**Books and Journal Special Issues Edited:**

1. *Milton Friedman's Monetary Framework: A Debate with his Critics*. University of Chicago Press, 1974. Japanese Translation, McGraw-Hill, 1978.
2. *The American Business Cycle: Continuity and Change*. University of Chicago Press for National Bureau of Economic Research, 1986. Paperback edition, 1990.
3. *International Volatility and Economic Growth: The First Ten Years of the International Seminar on Macroeconomics* (with Georges de Mènil). North-Holland, 1991.
4. *The Economics of New Goods* (with Timothy Bresnahan). University of Chicago Press for National Bureau of Economic Research, 1997.

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**Articles:** (This section includes original articles and replies. Comments on work by others are listed subsequently.)

1. "Airline Costs and Managerial Efficiency," in *Transportation Economics*, Universities-National Bureau Conference Volume (New York, 1965), pp. 61-92.
2. "The Incidence of the Corporation Income Tax in U.S. Manufacturing," *American Economic Review*, vol. 57 (September 1967), pp. 731-58.
3. "The Incidence of the Corporation Tax in U.S. Manufacturing: Reply," *American Economic Review*, vol. 58 (December 1968), pp. 1360-7.
4. "A New View of Real Investment in Structures, 1919-65," *Review of Economics and Statistics*, vol. 50 (November 1968), pp. 417-28.
5. "\$45 Billion of U.S. Private Investment Has Been Mislaid," *American Economic Review*, vol. 59 (June 1969), pp. 221-38.
6. "\$45 Billion of U.S. Private Investment Has Been Mislaid: Reply," *American Economic Review*, vol. 60 (December 1970), pp. 940-5.
7. "The Brookings Model in Action: A Review Article," *Journal of Political Economy*, vol. 78 (May/June 1970), pp. 489-525.
8. "The Recent Acceleration of Inflation and its Lessons for the Future," *Brookings Papers on Economic Activity*, vol. 1 (1970, no. 1), pp. 8-41.
9. "Inflation in 1970: A Horizontal Phillips Curve?" *Brookings Papers on Economic Activity*, vol. 1

- (1970, no. 3), pp. 449-58.
10. "Adjusting Investment Deflators for Changes in Quality," *Proceedings of the American Statistical Association*, 1970 Business and Economics Section, pp. 174-83.
  11. "Specification Bias and Corporate Tax Shifting," *National Tax Journal*, vol. 23 (December 1970), pp. 373-8.
  12. "Measurement Bias in Price Indexes for Capital Goods," *Review of Income and Wealth*, vol. 17 (June 1971), pp. 211-74.
  13. "Notes on Money, Income and Gramlich," *Journal of Money, Credit, and Banking*, vol. 3 (May 1971, Part II), pp. 533-45.
  14. "Inflation in Recession and Recovery," *Brookings Papers on Economic Activity*, vol. 2 (1971, no. 1), pp. 105-66.
  15. "Steady Anticipated Inflation: Mirage or Oasis?" *Brookings Papers on Economic Activity*, vol. 2 (1971, no. 2), pp. 499-510.
  16. "Wage-Price Controls and the Shifting Phillips Curve," *Brookings Papers on Economic Activity*, vol. 3 (1972, no. 2), pp. 385-421.
  17. "The Welfare Cost of Higher Unemployment," *Brookings Papers on Economic Activity*, vol. 4 (1973, no. 1), pp. 13-95.
  18. "The Use of Unit Values to Measure Deviations of Transaction Prices from List Prices," *Review of Income and Wealth*, vol. 19 (September 1973), pp. 267-9.
  19. "The Response of Wages and Prices to the First Two Years of Controls," *Brookings Papers on Economic Activity*, vol. 4 (1973, no. 3), pp. 765-79.
  20. "Alternative Responses of Policy to External Supply Shocks," *Brookings Papers on Economic Activity*, vol. 6 (1975, no. 1), pp. 183-206.
  21. "The Demand for and Supply of Inflation," *Journal of Law and Economics*, vol. 18 (December 1975), pp. 807-36.
  22. "Full-Employment Policy and the Labor Market," in A.T. Sommers, ed., *Answers to Inflation and Recession: Economic Policies for a Modern Society* (New York: The Conference Board, 1975), pp. 126-42.
  23. "The Impact of Aggregate Demand on Prices," *Brookings Papers on Economic Activity*, vol. 6 (1975, No. 3), pp. 613-62.

24. "Perspectives on Monetarism," J. Stein, ed., *Monetarism* (North-Holland, 1976), pp. 52-66.
25. "Aspects of the Theory of Involuntary Unemployment," in K. Brunner and A. Meltzer, eds., *The Phillips Curve and Labor Markets*, Carnegie-Rochester Series on Public Policy, a supplementary series to *Journal of Monetary Economics*, vol. 1 (North-Holland, January 1976), pp. 98-119.
26. "Aspects of Unemployment Theory: Reply to Azariadis," *Journal of Monetary Economics*, vol. 3 (April 1977), pp. 257-60.
27. "Interrelations Between Domestic and International Theories of Inflation," in R. Aliber, ed., *The Political Economy of Monetary Reform* (London: MacMillan, 1977), pp. 126-54.
28. "Recent Developments in the Theory of Inflation and Unemployment," *Journal of Monetary Economics*, vol. 2 (April 1976), pp. 185-220.

Also in Erik Lundberg, ed., *Inflation Theory and Anti-Inflationary Policy* (London: MacMillan, 1977), pp. 42-71 with discussion on pp. 94-108.

*Journal of Monetary Economics* version reprinted in P.G. Korliras and R.S. Thorn, *Modern Macroeconomics: Major Contributions to Contemporary Thought* (Harper and Row, 1979), pp. 259-84.

29. "Structural Unemployment and the Productivity of Women," in K. Brunner and A. Meltzer, eds., *Stabilization of the Domestic and International Economy*, Carnegie-Rochester Series on Public Policy, a supplementary series to the *Journal of Monetary Economics*, vol. 5 (North-Holland, January 1977), pp. 181-229.
  30. "The Theory of Domestic Inflation," *American Economic Review Papers and Proceedings*, vol. 67 (February 1977), pp. 128-34.
  31. "Can the Inflation of the 1970s Be Explained?" *Brookings Papers on Economic Activity*, vol. 8 (1977, no. 1), pp. 253-77.
  32. "World Inflation and the Sources of Monetary Accommodation: A Study of Eight Countries," *Brookings Papers on Economic Activity*, vol. 8 (1977, no. 2), pp. 409-68.
- A longer version titled "International Monetarism, Wage Push and Monetary Accommodation," is in A. Courakis, ed., *Inflation, Depression, and Economic Policy in the West* (London: Mansell and Alexandrine Press, 1979), pp. 1-63.
33. "What Can Stabilization Policy Achieve?" *American Economic Review Papers and Proceedings*, vol. 68 (May 1978), pp. 335-41.
  34. "Price Changes in Durable Goods: Can We Trust Government's Measurements?" *Electricity* 95.

*Perspectives*, 1978, no. 5, pp. 28-38.

35. "Monetarist Interpretations of the Great Depression: Evaluation and Critique," in Karl Brunner, ed., *The Great Depression Revisited* (Boston: Martinus Nijhoff, 1981), pp. 49-107. "Rejoinder" to discussants on pp. 163-73 (both with James Wilcox). NBER reprint no. 213.
36. "Energy Efficiency, User Cost Changes, and the Measurement of Durable Goods Prices," in M. Foss, ed., *The U.S. National Income and Product Accounts: Selected Topics*, Conference on Income and Wealth, Studies in Income and Wealth Series (University of Chicago Press and NBER, 1983), pp. 205-53. "Reply to Triplett" on pp. 256-8. NBER reprint no. 415.
37. "The End-of-Expansion Phenomenon in Short-Run Productivity Behavior," *Brookings Papers on Economic Activity*, vol. 10 (1979, no. 2), pp. 447-61. NBER reprint no. 57.
38. "Postwar Macroeconomics: The Evolution of Events and Ideas," in M. Feldstein, ed., *The American Economy in Transition* (University of Chicago Press for NBER, 1980), pp. 101-62. NBER reprint no. 151.
39. "A Consistent Characterization of a Near-Century of Price Behavior," *American Economic Review Papers and Proceedings*, vol. 70 (May 1980), pp. 243-9.
40. "The Measurement of Output," Chapter 5 in *Measurement and Interpretation of Productivity* (Washington: National Academy of Sciences, 1979), pp. 88-121.
41. "Government Intervention in the Inflation Process: The Econometrics of Self-Inflicted Wounds," *American Economic Review Papers and Proceedings*, vol. 71 (May 1981), pp. 288-94 (with John Frye). NBER reprint no. 180.
42. "Output Fluctuations and Gradual Price Adjustment," *Journal of Economic Literature*, vol. 19 (June 1981), pp. 492-530. NBER reprint no. 190.  
  
Spanish translation in *Informacion Comercial Espanola*, no. 581 (January 1982), pp. 136-57.
43. "The Consumer Price Index: Measuring Inflation and Causing It," *The Public Interest*, no. 63, Spring 1981, pp. 112-34. NBER reprint no. 191. Reprinted as "The Inflation Indexing Dilemma," *Economic Impact*, 1981, no. 4, pp. 51-8.
44. "Why U.S. Wage and Employment Behavior Differs from that in Britain and Japan," *Economic Journal*, vol. 92 (March 1982), pp. 13-44. NBER reprint no. 226.  
Reprinted in S. Rosen, ed., *Implicit Contract Theory* (London: Edward Elgar, 1994), pp. 121-52.  
  
Spanish translation in *Papeles de Economía Española*, vol. 27 (1986), pp. 395-414.
45. "Inflation, Flexible Exchange Rates, and the Natural Rate of Unemployment," in M.N. Baily, ed.,

*Workers, Jobs, and Inflation* (Brookings, 1982), pp. 88-152. NBER reprint no. 343.

46. "Why Stopping Inflation May Be Costly: Evidence from Fourteen Historical Episodes," in R.E. Hall, ed., *Inflation: Causes and Effects* (University of Chicago Press for NBER, 1982), pp. 15-40. NBER reprint no. 413.
47. "A Century of Evidence on Wage and Price Stickiness in the United States, the United Kingdom and Japan," in J. Tobin, ed., *Macroeconomics, Prices, and Quantities* (Brookings, 1983), pp. 85-121. NBER reprint no. 372.
48. "The Output Cost of Disinflation in Traditional and Vector Autoregressive Models," *Brookings Papers on Economic Activity*, vol. 13 (1982, no. 1), pp. 205-42 (with Stephen R. King). NBER reprint no. 342.
49. "Price Inertia and Policy Ineffectiveness in the United States, 1890-1980," *Journal of Political Economy*, vol. 90 (December 1982), pp. 1087-1117. NBER reprint no. 352.
50. "Using Monetary Control to Dampen the Business Cycle: A New Set of First Principles," in M. and S. Wachter, eds., *Removing Obstacles to Economic Growth* (Philadelphia: University of Pennsylvania Press, 1984), pp. 302-36.
51. "The Conduct of Monetary Policy" in A. Ando, H. Eguchi, R. Farmer, and Y. Suzuki, eds., *Monetary Policy in Our Times* (M.I.T. Press, 1985), pp. 45-81. NBER reprint no. 638.
52. "'Credibility' vs. 'Mainstream': Two Views of the Inflation Process," in W.D. Nordhaus, ed., *Inflation: Prospects and Remedies, Alternatives for the 1980's*, no. 10 (October 1983), Center for National Policy, pp. 25-34.
53. "Supply Shocks and Monetary Policy Revisited," *American Economic Review Papers and Proceedings*, vol. 74 (May 1984), pp. 38-43. NBER reprint no. 676.
54. "The 1981-82 Velocity Decline: A Structural Shift in Income or Money Demand?" *Conference on Monetary Targeting and Velocity: Conference Proceedings*, Federal Reserve Bank of San Francisco, 1984, pp. 67-99.  
  
German translation in J. Langhau and C. Kohler, eds., *Wirtschaftspolitik und wirtschaftliche Entwicklung* (Bonn: Verlag Neue, 1985), pp. 165-86.
55. "U.S. Stabilization Policy: Lessons from the Past Decade," in A.C. Harberger, ed., *World Economic Growth* (San Francisco: Institute for Contemporary Studies, 1984), pp. 123-49.
56. "The Short-run Demand for Money: A Reconsideration," *Journal of Money, Credit and Banking*, vol. 16 (November 1984), pp. 403-34. NBER reprint no. 570.



57. "Fixed Investment in the American Business Cycle, 1919-83," in Robert J. Gordon, ed., *The American Business Cycle: Continuity and Change* (University of Chicago Press for NBER, 1986), pp. 267-335. "Rejoinder" on pp. 348-51 (both with John M. Veitch). NBER reprint no. 814.
58. "Unemployment and the Growth of Potential Output in the 1980s," *Brookings Papers on Economic Activity*, vol 15 (1984, no. 2), pp. 537-64. NBER reprint no. 576.
59. "Understanding Inflation in the 1980s," *Brookings Papers on Economic Activity*, vol. 16 (1985, no. 1), pp. 263-99. NBER reprint no. 651.
60. "The Wage and Price Adjustment Process in Six Large OECD Countries," in Robert Z. Aliber, ed., *The Reconstruction of International Economic Arrangements* (London: Macmillan, 1987), pp. 70-91.
61. "Productivity, Wages, and Prices Inside and Outside of Manufacturing in the U.S., Japan, and Europe," *European Economic Review*, vol. 31, no. 3 (April 1987), pp. 685-733. NBER reprint no. 970.  
  
Reprinted in G. de Ménéil and R. J. Gordon, eds., *International Volatility and Economic Growth* (Amsterdam: North-Holland, 1991), pp. 153-201.
62. "The Postwar Evolution of Computer Prices," in Dale W. Jorgenson and Ralph Landau, eds. *Technology and Capital Formation* (Cambridge: MIT Press, 1989), pp. 77-125. "Comment on Chapter 4 (Triplett) and Rejoinder to the Cole-Dulberger-Triplett Comments," pp. 221-4. NBER reprint no. 1297.
63. "U.S. Fiscal Deficits and the World Imbalance of Payments," *Hitotsubashi Journal of Economics*, vol. 27 (Special Issue, October, 1986), pp. 7-41.
64. "The Postwar Development of Business-Cycle Theory: An Unabashedly New-Keynesian Perspective," in K. H. Oppenländer and Günter Poser, eds., *Contributions of Business Cycle Surveys to Empirical Economics* (Aldershot, U. K.: Gower Publishing Co., 1988), pp. 21-50.  
  
German translation in *Konjunktur*, no. 174 (December, 1987), pp. 23-54.  
  
Also published in *Ifo-Studien*, vol. 34 (1988, no. 2/3), pp. 193-221.
65. "The Role of Wages in the Inflation Process," *American Economic Review Papers and Proceedings*, vol. 78 (May, 1988), pp. 276-83. NBER reprint no. 1478.
66. "Wage Gaps vs. Output Gaps: Is There A Common Story for All of Europe?" in Herbert Giersch, ed., *Macro and Micro Policies for More Growth and Employment Keil Symposium* (Tubingen: J.C.B. Mohr [Paul Siebeck] 1988), pp. 97-151. NBER reprint no. 1096.
67. "The Estimation of Prewar GNP: Methodology and New Results," *Journal of Political Economy*, vol. 97 (February 1989), pp. 38-92 (with Nathan S. Balke). NBER reprint no. 1200.

68. "Back to the Future: European Unemployment Today Viewed from America in 1939," *Brookings Papers on Economic Activity*, vol. 19 (1988, no. 1), pp. 271-304. NBER reprint no. 1098.
69. "The Productivity Slowdown, Measurement Issues, and the Explosion of Computer Power," *Brookings Papers on Economic Activity*, vol. 19 (1988, no. 2), pp. 347-420, (with Martin N. Baily). NBER reprint no. 1199.
70. "U.S. Inflation, Labor's Share, and the Natural Rate of Unemployment," in Heinz König, ed., *Economics of Wage Determination* (Berlin and New York: Springer Verlag, 1990), pp. 1-34. NBER reprint no. 1441.
71. "Fresh Water, Salt Water, and Other Macroeconomic Elixirs," *Economic Record*, vol. 65 (June 1989), pp. 177-84.  
  
Also in Philip Maxwell, ed., *Macroeconomics: Contemporary Australian Readings* (Sydney: Harper and Row, 1990).
72. "Hysteresis in History: Was There Ever a Phillips Curve?" *American Economic Review Papers and Proceedings*, vol. 79 (May, 1989), pp. 220-5. NBER reprint no. 1424.
73. "The Phillips Curve Now and Then," in P. Diamond, ed., *Growth, Productivity, Unemployment: Essays in Honor of Bob Solow's 65th Birthday*. (Cambridge: M.I.T. Press, 1990), pp. 207-17. NBER reprint no. 1591.
74. "What Is New-Keynesian Economics?" *Journal of Economic Literature*, vol. 28 (September, 1990), pp. 1115-71. NBER reprint no. 1513.  
  
Also in Paul Whiteley, ed., *Economic Policy* (London: Edward Elgar, 1997)..  
  
Also in Brian Snowdon and Howard R. Vane, eds., *A Macroeconomics Reader* (London: Routledge, 1997), pp. 478-551.
75. "Notes on Gain Sharing," in Myron Roomkin, ed., *Profit Sharing and Gain Sharing* (London and Metuchen, N.J.: IMLR Press/Rutgers University, 1990), pp. 146-155.
76. "Measurement Issues and the Productivity Slowdown in Five Major Industrial Countries" (with Martin Neil Baily), in G. Bell, ed., *Technology and Productivity: The Challenge for Economic Policy* (Paris: OECD, 1991), pp. 187-206.
77. "Productivity in the Transportation Sector," in Z. Griliches, ed., *Output Measurement in the Service Sectors*, Conference on Research in Income and Wealth (University of Chicago Press for NBER, 1992), pp. 371-422.

78. "Measuring the Aggregate Price Level: Implications for Economic Performance and Policy," in K. Shigehara, ed., *Price Stabilization in the 1990s* (London: Macmillan, 1993), pp. 233-76.
79. "Wage and Price Dynamics in Germany and America: Differences and Common Themes" (with Wolfgang Franz). *European Economic Review*, vol. 37 (May 1993), pp. 719-54.
80. "Why the Principles Course Needs Comparative Macro and Micro," *American Economic Review Papers and Proceedings*, vol. 82 (May 1993), pp. 17-22.
81. "Reply [to Edward F. Denison]: The Concept of Capital," *Review of Income and Wealth*, vol. 39 (March 1993), pp. 103-110.
82. "The Jobless Recovery: Does It Signal a New Era of Productivity-Led Growth?" *Brookings Papers on Economic Activity*, vol. 24 (1993, no. 1), pp. 271-316.
83. "Airline Traffic and Profits: The Sun Rises or a False Dawn?" *1994 World Economic and Traffic Outlook* (Long Beach CA: McDonnell-Douglas, 1994), pp. 51-55.
84. "Problems in the Measurement and Performance of Service-Sector Productivity in the United States," in P. Andersen, J. Dwyer, and D. Gruen, eds., *Productivity and Growth*. (Sydney: Reserve Bank of Australia, 1995), pp. 139-166.
85. "Is There a Tradeoff between Unemployment and Productivity Growth?" in D. Snower and G. de la Dehesa, eds., *Unemployment Policy: Government Options for the Labour Market*. (Cambridge UK: Cambridge University Press, 1997), pp. 433-63.
86. "Macroeconomic Policy in the Presence of Structural Maladjustment" in *Macroeconomic Policy and Structural Reform* (Paris: OECD, 1996), pp. 173-204.
87. "Introduction: The Economics of New Goods" (with Timothy Bresnahan), in T. Bresnahan and R. J. Gordon, eds., *The Economics of New Goods* (University of Chicago Press for NBER, 1997), pp. 1-26.
88. "The Time-Varying NAIRU and its Implications for Economic Policy," *Journal of Economic Perspectives*, vol. 11 (Fall 1997), pp. 11-32.
89. "The CPI Commission: Findings and Recommendations," *American Economic Review Papers and Proceedings*, vol. 87 (May 1997), pp. 78-83 (with Michael J. Boskin, Ellen R. Dulberger, Zvi Griliches, and Dale W. Jorgenson).
90. "Quality Change and New Products," *American Economic Review Papers and Proceedings*, vol. 87 (May 1997), pp. 84-88 (with Zvi Griliches).
91. "Consumer Prices, the Consumer Price Index, and the Cost of Living," *Journal of Economic*

*Perspectives*, vol. 12, no. 1 (Winter 1998), pp. 3-26 (with Michael J. Boskin, Ellen R. Dulberger, Zvi Griliches, and Dale W. Jorgenson).

92. "Foundations of the Goldilocks Economy: Supply Shocks and the Time-Varying NAIRU," *Brookings Papers on Economic Activity*, vol. 29 (1998, no. 2), pp. 297-333.
93. "U. S. Economic Growth Since 1870: One Big Wave?" *American Economic Review Papers and Proceedings*, vol. 89 (May 1999), pp. 123-8.
94. "The Aftermath of the 1992 ERM Breakup: Was There a Macroeconomic Free Lunch?" in Paul Krugman, Ed., *Currency Crises* (University of Chicago Press for NBER, 2000), pp. 241-82. CEPR Discussion Paper No. 2073, February 1999, NBER working paper 6964, February 1999.
95. "The Boskin Commission Report and its Aftermath," *Monetary and Economic Studies*, vol. 17, no. 3 (December 1999), pp. 41-68.

Also in Mick Silver and David Fenwick, eds., *Proceedings of the Measurement of Inflation Conference* (Cardiff UK: Cardiff University, 2000), pp. 258-82.

96. "Interpreting the 'One Big Wave' in U. S. Long-term Productivity Growth," in Bart van Ark, Simon Kuipers, and Gerard Kuper, eds., *Productivity, Technology, and Economic Growth* (Boston: Kluwer Publishers, 2000), pp. 19-65. Also NBER Working Paper 7752, June 2000 and CEPR Discussion Paper 2608, November 2000.
97. "Does the New Economy Measure Up to the Great Inventions of the Past?" *Journal of Economic Perspectives*, vol. 14, no. 4 (Fall 2000), pp. 49-74.
98. "Neither Too Hot nor Too Cold: The U. S. Economy in the 1990s," in OECD, *Policies Toward Full Employment* (Paris: OECD, 2000), pp. 61-66.
99. "Reflections on Pin Factory Visits," in *Industrial Technology and Productivity: Incorporating Learning from Plant Visits and Interviews into Economic Research, NBER/Sloan Project Report*, papers presented at the Annual Meetings of the American Economic Association, January, 2000. Cambridge, MA: NBER, pp. 27-31.
100. "Technological Innovation and Economic Performance: the United States," in Richard Nelson, Benn Steil, and David Victor, eds., *Technological Innovation and Economic Performance* (Princeton: Princeton University Press, 2002), pp. 49-73. Also NBER Working Paper 8771, February 2002, and CEPR Discussion Paper 3213, February 2002

French translation: "La technologie et les succès de l'économie américaine," in Jean-Philippe Touffut *et al.*, *Institutions et Croissance: Les chances d'un modèle économique européen*. (Paris: Albin Michel, 2002), pp. 279-326.

101. "Innovation and Future Productivity Growth: Does Supply Create Its Own Demand?" in Peter Cornelius, ed., *The Global Competitiveness Report 2002-03*. (New York and Oxford: Oxford University Press, 2003), pp. 253-75. Also NBER Working Paper 9437, January 2003.
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