

---

202 Greenwood Street  
Evanston IL 60201-4714  
(847) 869-3544

e-mail: [rjg@northwestern.edu](mailto:rjg@northwestern.edu)

web site : <http://economics.weinberg.northwestern.edu/robert-gordon/indexmsie.html>

Department of Economics  
Northwestern University  
Evanston IL 60208-2600  
(847) 491-3616, fax (847) 491-7001

---

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

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

---

**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.

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

---

**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.

---

**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- ; 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- ; 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.

**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.

**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.

Teaching and Workshops:

Economic Principles; Macro Theory; 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.

---

**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.

**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.

---

**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 Misplaced," *American Economic Review*, vol. 59 (June 1969), pp. 221-38.
6. "\$45 Billion of U.S. Private Investment Has Been Misplaced: 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?" *Electric95. 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 M n il 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.
102. "Exploding Productivity Growth: Context, Causes, and Implications," *Brookings Papers on Economic Activity*, vol. 34 (2003, no. 2), pp. 207-98.
103. "The Disappearance of Productivity Change," in Robert J. Gordon, *Productivity Growth, Inflation, and Unemployment* (Cambridge: Cambridge University Press, 2004), pp. 90-133.
104. "Forward into the Past: Productivity Retrogression in the Electric Generating Industry," in Robert J. Gordon, *Productivity Growth, Inflation, and Unemployment* (Cambridge: Cambridge University Press, 2004), pp. 172-217.
105. "Are Procylical Productivity Fluctuations a Figment of Measurement Error?" in Robert J. Gordon, *Productivity Growth, Inflation, and Unemployment* (Cambridge: Cambridge University Press, 2004), pp. 239-72.
106. "Five Puzzles in the Behavior of Productivity, Investment, and Innovation," in Augusto Lopez-Claros and Xavier Sala-i-Martin, eds., *The Global Competitiveness Report 2003-04* (New York and Oxford: Oxford University Press, 2004), pp. 117-35. CEPR Discussion Paper 4414, June 2004, and NBER Working Paper 10660, August 2004.

107. "A Century of Downward Bias in the Most Important CPI Component: The Case of Rental Shelter, 1914-2003," in E. Berndt and C. Hulten, eds., *Hard-to-Measure Goods and Services: Essays in Honor of Zvi Griliches*, Conference on Research in Income and Wealth. (Chicago: University of Chicago Press for NBER, 2007), pp. 153-96. (With Todd van Goethem). Also NBER Working Paper 11776, November 2005.
108. "The 1920s and 1990s in Mutual Reflection," in Paul Rhode and Gianni Toniolo, eds., *Understanding the 1990s* (Cambridge UK and New York, Cambridge University Press, 2006), pp. 161-92. Also NBER Working Paper 11778, November 2005, and CEPR Discussion Paper 5412, December 2005.
109. "Where Did the Productivity Growth Go? Inflation Dynamics and the Distribution of Income," *Brookings Papers on Economic Activity*, vol. 36 (2005, no. 2), pp. 67-150 (with Ian Dew-Becker). Also NBER Working Paper 11842, December 2005, and CEPR Discussion Paper 5419, December 2005..
110. "What Caused the Decline in U. S. Business Cycle Volatility?" in Christopher Kent and David Norman, eds., *The Changing Nature of Business Cycle Volatility*. (Sydney: Economics Group, Reserve Bank of Australia, 2005), pp. 61-104. Also NBER Working Paper 11777, November 2005, and CEPR Discussion Paper 5413, December 2005.
111. "The Boskin Commission Report: A Retrospective One Decade Later," *International Productivity Monitor*, Spring 2006, pp. 7-22. Also NBER Working Paper 12311, June 2006.
112. "Why was Europe Left at the Station When America's Productivity Locomotive Departed?", in Mary Gregory, Wiemer Salverda, and Ronald Schettkat, eds., *Services and Employment: Explaining the U.S.-European Gap*. (Princeton: Princeton University Press, 2007), pp. 176-97. CEPR Discussion Paper 4416, June 2004, NBER Working Paper 10661, August, 2004.
113. "Comparing Welfare in Europe and the United States," in Barry Eichengreen, et al., ed., *The European Economy in an American Mirror*. (London and New York: Routledge, 2007), pp. 15-40.
114. "Selected Issues in the Rise of Income Inequality," *Brookings Papers on Economic Activity*, vol. 38 (2007, no. 2), pp. 191-215 (with Ian Dew-Becker).  
  
A longer version titled "Controversies about the Rise of American Inequality: A Survey," was issued as NBER Working Paper 13982, May 2008 and as CEPR Discussion Paper 6817, May 2008..
115. Review article of Adam Tooze *Wages of Destruction*, in *Journal of Economic History*, March 2009, pp. 312-16. A longer version "Did Economics Cause World War II?" was issued as NBER Working Paper 14560, December 2008.
116. "Apparel Prices 1914-93 and the Hulten/Bruegel Paradox," in C. Corrado, E. Diewert, and C. Hulten, eds., *Price Index Concepts and Measurement*, Conference on Research in Income and Wealth (Chicago: University of Chicago Press for NBER), 2009, pp. 85-128.

117. "Has the Rise in American Inequality Been Exaggerated?" *Challenge*, May-June 2009, pp. 92-120. A revised version under the title "Misperceptions About the Magnitude and Timing of Changes in American Inequality" appeared as NBER Working Paper 15351, September 2009.
118. "Okun's Law and Productivity Innovations," *American Economic Review Papers and Proceedings*, vol. 100(2), May 2010, pp. 11-15.
119. "Controversies about Work, Leisure, and Welfare in Europe and the United States," in Edmund S. Phelps and Hans-Werner Sinn, *Perspectives on the Performance of the Continental Economies*, Cambridge MA: MIT Press, 2011, pp. 343-86.
120. "The History of the Phillips Curve: Consensus and Bifurcation," *Economica*, vol. 78 (January 2011), pp. 10-50.
121. "The Role of Labor-Market Changes in the Slowdown of European Productivity," *Review of Economics and Institutions*, vol. 3 (no. 2, Spring 2012), pp. 1-45. NBER Working Paper 13840, March 2008, and CEPR Discussion Paper 6722, February 2008. (With Ian Dew-Becker).
122. "Revisiting U. S. Productivity Growth over the Past Century with a View of the Future," in D. S. Prasada Rao and Bart van Ark, *World Economic Performance: Past, Present and Future*. Cheltenham UK, Edward Elgar, Chapter 11, 2013. Also NBER Working Paper 15834, March 2010.
123. "Where Is Macro Going?" in Robert M. Solow and Jean-Philippe Touffut, eds., *What's Right With Macroeconomics?* Cheltenham UK, Edward Elgar, 2012, pp. 195-229.
124. "The U. S. Productivity Growth Slowdown Returns After a Brief Revival," *International Productivity Monitor*. No. 25 (Spring, 2013), pp. 13-19.
125. "The Turtle's Progress: Secular Stagnation Meets the Headwinds," in Coen Teulings and Richard Baldwin, eds., *Secular Stagnation: Facts, Causes and Cures*. London: CEPR Press, 2014, pp. 47-60.
126. "Secular Stagnation: A Supply-Side View," *American Economic Review Papers and Proceedings*, vol. 105(5), May 2015, pp. 54-59.
127. "The Future of Economic Growth: Slowing to a Crawl," in Gary Saul Morson and Morton Schapiro, eds., *The Fabulous Future? America and the World in 2040*. Evanston IL: Northwestern University Press, 2015, pp. 5-21.
128. "Secular Stagnation on the Supply Side: U. S. Productivity Growth in the Long Run," in *Digiworld Economic Journal*, no. 100, 4<sup>th</sup> quarter 2015, pp. 19-45.
129. "Perspectives on the Rise and Fall of American Growth," *American Economic Review Papers and Proceedings*, vol. 106(5), May 2016, pp. 72-76.

130. "Off Its Pinnacle," *Finance and Development* (IMF Quarterly), vol. 53(2), June 2016, pp. 33-37.
- 

#### Working Papers in Wide Release in Reverse Chronological Order

1. "A New Method of Estimating Potential Real GDP Growth: Implications for the Labor Market and the Debt/GDP Ratio," NBER Working Paper 20423, September, 2014.
2. "The Demise of U.S. Economic Growth: Restatement, Rebuttal, and Reflections," NBER Working Paper 19895, February 2014.
3. "The Phillips Curve is Alive and Well: Inflation and the NAIRU During the Slow Recovery," NBER Working Paper 19360, September, 2013
4. "Is U. S. Economic Growth Over? Faltering Innovation and the Six Headwinds," NBER Working Paper 18315, August 2012
5. "The End of the Great Depression 1939-41: Fiscal Multipliers, Capacity Constraints, and Policy Contributions." An earlier version appeared as NBER Working Paper 16380, September 2010 (with Robert J. Krenn).

#### Other Working Papers

1. "Phillips Curve Specification and the Decline in U. S. Output and Inflation Volatility," presented at Symposium on the Phillips Curve, Institut fur Weltwirtschaft, Kiel, Germany, June 3-4, 2007.
  2. "The Evolution of Okun's Law and of Cyclical Productivity Fluctuations in the United States and in the EU-15," presented at EES/IAB Workshop on Labor Market Institutions and the Macroeconomy, Nuremberg, June, 2011.
- 

#### Published Comments on Work by Others

1. "A Rare Event," *Survey of Current Business*, vol. 51 (July 1971), pp. 83-6.
2. Book Review of M. R. Straszheim, *The International Airline Industry* (Brookings, 1969), in *Journal of Economic Literature*, vol. 9 (March 1971), pp. 122-4.
3. "Klein on the State of the Art of Econometric Models," in M.D. Intriligator, ed., *Frontiers of Quantitative Economics* (North-Holland, 1971), pp. 173-7.
4. "Short and Long Term Simulations with the Brookings Model: A Comment," in B. Hickman, ed.,

*Econometric Models and Business Cycles, A Conference on Income and Wealth Volume* (NBER, 1972), pp. 298-310.

5. "The Econometrics of Price Determination: Discussion," in O. Eckstein, ed., *The Econometrics of Price Determination*, a conference sponsored by the SSRC and the Federal Reserve Board (Washington 1972), pp. 202-12.
6. "Interest Rates and Prices in the Long-Run: A Comment," *Journal of Money, Credit and Banking*, vol. 5 (February 1973, part III), pp. 460-3.
7. Comment on M. I. Nadiri, "An Alternative Model of Business Investment Spending," *Brookings Papers on Economic Activity*, vol 3 (1972, no. 3), pp. 547-83.
8. Comment on J. O. Pierce and J. J. Enzler, "The Effects of External Inflationary Shocks," *Brookings Papers on Economic Activity*, vol 5 (1974, no. 1), pp. 58-60.
9. Comment on R. E. Hall, "The Process of Inflation in the Labor Market," *Brookings Papers on Economic Activity*, vol 5 (1974, no. 2), pp. 394-9.
10. "Can Econometric Policy Evaluations Be Salvaged?" in K. Brunner and A. Meltzer, eds., *The Phillips Curve and Labor Markets*, Carnegie-Rochester Series on Public Policy, a supplementary series to the *Journal of Monetary Economics*, vol. 1 (North-Holland, January 1976), pp. 47-61.  
  
Also in Dale J. Poirier, ed., *The Methodology of Econometrics* (Cheltenham, UK: Edward Elgar Publishing, 1994).
11. "Dynamic Considerations in the Choice of Inflation and Unemployment Targets," in K. Brunner and A. Meltzer, eds., *The Phillips Curve and Labor Markets*, Carnegie-Rochester Series on Public Policy, a supplementary series to the *Journal of Monetary Economics*, vol. 1 (North-Holland, January 1976), pp. 149-59.
12. "On Measuring the Impact of Controls: A Comment," in K. Brunner and A. Meltzer, eds., *The Economics of Price and Wage Controls*, a supplementary series to the *Journal of Monetary Economics*, vol. 2 (North-Holland, April 1976), pp. 157-72.
13. "Denison on Price Series for Indexing: Comments," in H. Aaron, ed., *Inflation and the Income Tax* (Brookings 1976), pp. 246-8.
14. "Pierce and Enzler on Indexing and Economic Stability: Comments," in H. Aaron, ed., *Inflation and the Income Tax* (Brookings 1976), p. 190.
15. Comment on B. Bosworth, "Capacity Creation in Basic Materials Industries," *Brookings Papers on Economic Activity*, vol. 7 (1976, no. 2), pp. 342-5.



16. Comment on F. S. Mishkin, "What Depressed the Consumer? The Household Balance Sheet and the 1973-75 Recession," *Brookings Papers on Economic Activity*, vol. 8 (1977, no. 1), pp. 165-8.
17. Book Review of M. Linder, *The Anti-Samuelson* (Dulton, 1977), in *The New York Times*, Sunday Business Section (September 11, 1977), p. 14.
18. Comment on M. S. Feldstein and L. Summers, "Inflation, Tax Rules, and the Long-Term Interest Rate," *Brookings Papers on Economic Activity*, vol. 9 (1978, no. 1), pp. 102-7.
19. Comment on L. Seidman, "Tax-Based Incomes Policies," *Brookings Papers on Economic Activity*, vol. 9 (1978, no. 2), pp. 349-61.
20. Comment on E. M. Gramlich, "Macro Policy Responses to Price Shocks," *Brooking Papers on Economic Activity*, vol. 10 (1979, no. 1), pp. 182-6.
21. "A Comment on the Perloff and Wachter Paper," in K. Brunner and A. Meltzer, eds., *Three Aspects of Policy and Policymaking*, a supplementary series to the *Journal of Monetary Economics*, vol. 10 (North-Holland, April 1979), pp. 187-94.
22. Comment on Richard Ruggles, "Employment and Unemployment Statistics as Indexes of Economic Activity and Capacity Utilization," in *Concepts and Data Needs*, National Commission on Employment and Unemployment Statistics, "Counting the Labor Force," Appendix Volume 1, Washington 1980, pp. 186-8.
23. "Comment on Barro and Rush," in S. Fischer, ed., *Rational Expectations and Economic Policy* (University of Chicago Press for NBER, 1980), pp. 55-63.
24. Discussion of "Time Series Changes in Youth Joblessness," by M. Wachter and C. Kim, in R. Freeman and D. Wise, eds., *The Youth Labor Market Problem: Its Nature, Causes, and Consequences* (University of Chicago Press for NBER, 1982), pp. 189-98.
25. Comment on J. Sachs, "Wages, Profits, and Macroeconomic Adjustment in the 1970's," *Brookings Papers on Economic Activity*, vol. 10 (1979, no. 2), pp. 323-9.
26. Comment on G. L. Perry, "Inflation in Theory and Practice," *Brookings Papers on Economic Activity*, vol. 11 (1980, no. 1), pp. 249-57.
27. Comment on R. Rasche and J. Tatom, "Energy Price Shocks, Aggregate Supply, and Monetary Policy," in K. Brunner and A. Meltzer, eds., *Supply Shocks, Incentives and National Wealth*, Carnegie-Rochester Series on Public Policy, vol. 14 (North-Holland, 1981), pp. 95-102.
28. Comment on M. N. Baily, "Productivity and the Services of Capital and Labor," *Brookings Papers on Economic Activity*, vol. 12 (1981, no. 1), pp. 51-8.
29. Comment on C. L. Schultze, "Some Macro Foundations for Micro Theory," *Brookings Papers on*

*Economic Activity*, vol. 12 (1981, no. 2), pp. 581-88.

30. Discussion of John Taylor, "The Role of Expectations in the Choice of Monetary Policy," in *Monetary Policy Issues in the 1980s*, a symposium sponsored by the Federal Reserve Bank of Kansas City (Kansas City, 1983), pp. 87-92.
31. Comment on W. Franz, "The Past Decade's Natural Rate and the Dynamics of German Unemployment: A Case Against Demand Policy?" *European Economic Review*, vol. 21, no. 1/2 (March/April 1983), pp. 83-87.
32. Comment on J. Sachs, "Real Wages and Unemployment in the OECD Countries," *Brookings Papers on Economic Activity*, vol. 14 (1983, no. 1), pp. 290-8.
33. Comment on S. Rosen, "Unemployment and Insurance," in K. Brunner and A. Meltzer, eds., *Variability in Employment, Prices and Money*, Carnegie-Rochester Conference Series on Public Policy, vol. 19 (North-Holland, 1983), pp. 51-60.
34. Comment on F. Bourguignon and M. Levy-Leboyer, "An Econometric Model of France in the 19th Century," *European Economic Review*, vol. 25 (June 1984), pp. 143-46.
35. Comment on P. K. Clark, "Productivity and Profits in the 1980s: Are They Really Improving?" *Brookings Papers on Economic Activity*, vol. 15 (1984, no. 1), pp. 168-72.
36. Comment on Ray C. Fair, "Estimated Trade-offs Between Unemployment and Inflation," in *Price Stability and Public Policy*, a symposium sponsored by the Federal Reserve Bank of Kansas City (Kansas City, 1984), pp. 83-94.
37. Comment on Karl Brunner's "Fiscal Policy in Macro Theory," in R.W. Hafer, *The Monetary versus Fiscal Policy Debate: Lessons from two Decades*. (Totowa, NJ, Rowman and Allanheld, 1986), pp. 127-36.
38. Comment on David Begg, "Fiscal Policy," in R. Dornbusch and R. Layard, *The Performance of the British Economy* (Oxford University Press, 1987), pp. 256-9.
39. Comment on Olivier J. Blanchard, "Aggregate and Individual Price Adjustment," *Brookings Papers on Economic Activity*, vol. 18 (1987, no. 1), pp. 110-21.
40. Comment on Alan S. Blinder, "The Rules-versus-Discretion Debate in the Light of Recent Experience," and Bennett T. McCallum, "The Case for Rules in the Conduct of Monetary Policy: A Concrete Example," in Herbert Giersch, ed. *Macro and Micro Policies for More Growth and Employment, Kiel Symposium, 1987* (Tubingen: J.C.B. Mohr [Paul Siebeck] 1988), pp. 64-71.
41. Discussion of Nouriel Roubini and Jeffrey Sachs, "Political and Economic Determinants of Budget Deficits," *European Economic Review*, vol. 33 (May 1989), pp. 934-8.

42. Discussion of Toshiaki Tachibanaki and Atsuhiko Taki, "Wage Determination in Japan: A Theoretical and Empirical Investigation," in H. König, *Economics of Wage Determination*, Berlin and New York: Springer Verlag, 1990, pp. 65-69.
43. Comment on Matthew Shapiro, "Assessing Federal Reserve Measures of Capacity and Utilization," *Brookings Papers on Economic Activity*, vol. 20 (1989, no. 1), pp. 305-14.
44. Comment on Laurence Ball and Stephen Cecchetti, "Inflation and Uncertainty at Short and Long Horizons," *Brookings Papers on Economic Activity*, vol. 21 (1990, no. 1), pp. 246-51.
45. Comment on Alan S. Blinder, "Why are Prices Sticky? Preliminary Results from an Interview Study," *American Economic Review Papers and Proceedings*, vol. 81 (May 1991), pp. 98-99.
46. Comment on Edward M. Gramlich, "The 1991 State and Local Fiscal Crisis," *Brookings Papers on Economic Activity*, vol. 22 (1991, no. 2), pp. 276-84.
47. Discussion of David Ranson, "Monetary Policy, Market Prices, and Supply-side Forecasting," *The CATO Journal*, vol. 12 (Spring/Summer 1992), pp. 221-9.
48. Comment on Nicholas Crafts, "Productivity Growth Reconsidered," *Economic Policy*, issue 15 (October 1992), pp. 414-21.
49. Discussion of Martin N. Baily, "Competition, Regulation, and Efficiency in Service Industries," *Brookings Papers on Economic Activity: Microeconomics* (1993, no. 2), pp. 131-44.
50. Comment on José de Gregorio, Alberto Giovannini, and Holger C. Wolf, "International Evidence on Tradables and Nontradables Inflation," *European Economic Review*, vol. 38, no. 6 (June 1994), pp. 1245-9.
51. Discussion of Steven Oliner and Daniel Sichel, "Computers and Output Growth Revisited: How Big is the Puzzle?" *Brookings Papers on Economic Activity*, 1994, no. 2, pp. 324-8.
52. Discussion of Erwin Diewert, "Price and Volume Measures," in J. Kendrick, ed., *The New System of National Accounts* (Norwell MA: Kluwer Academic Publishers, 1995), pp. 287-97.
53. Discussion of Stephen Nickell and Brian Bell, "Would Cutting Payroll Taxes on the Unskilled have a Significant Impact on Unemployment?" in D. Snower and G. de la Dehesa, eds., *Unemployment Policy: Government Options for the Labour Market*. (Cambridge UK: Cambridge University Press), 1997, pp. 329-32.
54. Discussion of Andreas Hornstein and Per Krussel, "Can Technological Improvements Cause Productivity Slowdowns?" *NBER Macroeconomics Annual 1996*, MIT Press, pp. 259-67.
55. Discussion of G. A. Akerlof, William T. Dickens, and G. L. Perry, "The Macroeconomics of Low Inflation," *Brookings Papers on Economic Activity*, 1996, no. 1, pp. 60-66.

56. Discussion of Brent R. Moulton and Karin E. Moses, "Addressing the Quality Change Issue in the Consumer Price Index," *Brookings Papers on Economic Activity*, 1997, no. 1, pp. 350-57.
57. Discussion of Charles R. Hulten, "Quality Change in the CPI," *Federal Reserve Bank of St. Louis Review*, vol. 79, no. 3 (May/June 1997), pp. 101-105.
58. Discussion of Martin N. Baily and Eric Zitzewitz, "Service Sector Productivity Comparisons: Lessons for Measurement", in Edwin Dean, Michael Harper and Charles Hulten, *New Developments in Productivity Analysis*, Conference on Research in Income and Wealth conference volume, University of Chicago Press for NBER, 2001, pp. 456-64.
59. Book review of Derek Aldcroft, *Studies in the Interwar European Economy*, *Journal of Economic History*, vol. 60, no. 3 (September 2000), pp. 864-6.
60. Discussion of Dale W. Jorgenson and Kevin J. Stiroh, "Raising the Speed Limit: U. S. Economic Growth in the Information Age," *Brookings Papers on Economic Activity*, 2000, no. 1, pp. 212-22.
61. Discussion of Daron Acemoglu, Philippe Aghion, and Giovanni L. Violante, "Deunionization, Technical Change, and Inequality," *Carnegie-Rochester Series on Public Policy*, volume 55, December 2001, pp. 265-73.
62. Discussion of William D. Nordhaus, "Productivity Growth and the New Economy," *Brookings Papers on Economic Activity*, 2002, no. 2, pp. 245-53.
63. "Discussion of the Transportation and Communications Industries," in Jack E. Triplett and Barry P. Bosworth, *Productivity in the U. S. Services Sector: New Sources of Economic Growth*. (Washington: Brookings Institution Press, 2004), pp. 87-94.
64. Discussion of Jordi Gali, "Hysteresis and the European Unemployment Problem Revisited," in *Inflation and Unemployment in Europe – Conference Proceedings*, ECB Forum on Central Banking, 2015, pp. 80-86.
65. Discussion of David M. Byrne, John G. Fernald, and Marshall B. Reinsdorf, "Does the United States Have a Productivity Problem or a Measurement Problem?" *Brookings Papers on Economic Activity*, 2016, no. 1, pp. 165-74.