

## Publications of William Nordhaus

December 1, 2023

The following are publications by William Nordhaus (Sterling Professor of Economics, Yale University). The first list (B-) are books, while the second (R\*) are journal or chapter publications.

### BOOKS:

- B1. *Invention, Growth and Welfare: A Theoretical Treatment of Technological Change*. M.I.T. Press, 1969.
- B2. *Is Growth Obsolete?* with James Tobin in *Economic Growth*, N.B.E.R. 1972; also published in *Income and Wealth*, Volume 38, Publisher N.B.E.R., New York, 1973.
- B3. *International Studies in the Demand for Energy*, editor, with contributions, North-Holland Publishing Company, 1977. Also published as William D. Nordhaus, ed., *Proceedings of the Workshop on Energy Demand*, IIASA Collaborative Paper CP-76-001, January 1976.
- B4. *Industrial Pricing in the United Kingdom*, with Wynne Godley and Kenneth Coutts, Cambridge University Press, 1978.
- B5. *The Efficient Use of Energy Resources*, Yale University Press, 1979.
- B6. *Reforming Federal Regulation*, with Robert E. Litan, Yale University Press, 1983.
- B7. *ECONOMICS*, with Paul A. Samuelson, Twelfth Edition, McGraw-Hill, 1985; Thirteenth Edition, 1989; Fourteenth Edition, 1992; Fifteenth Edition, 1995; Sixteenth Edition, 1998; Seventeenth Edition, 2001; Eighteenth Edition, 2005; Nineteenth Edition, 2009. Foreign English-language editions in Canada, Australian, and Britain. Foreign translations in Armenian, Chinese, Croatian, Czech, German, Greek, Hungarian, Indonesian, Italian, Japanese, Kazak, Portuguese, Russian, Slovak, Slovenian, Spanish, and Vietnamese.

- B8. *The Share Economy: A Symposium*, editor, with Andrew John, published by *The Journal of Comparative Economics*, vol. 10, 1986.
- B9. *Toward a New Iron Age? A Study of Patterns of Resource Exhaustion*, with Robert B. Gordon, Tjalling C. Koopmans, and Brian J. Skinner, Harvard University Press, 1988.
- B10. *Money, Macroeconomics, and Economic Policy: Essays in Honor of James Tobin*, editor with William C. Brainard and Harold W. Watts, MIT Press, Cambridge, Massachusetts, 1991.
- B11. *Costs, Impacts, and Benefits of CO2 Mitigation*, Y. Kaya, N. Nakicenovic, W. Nordhaus, and F. Toth, eds., IIASA, CP-93-002, 1993.
- B12. *Managing the Global Commons: The Economics of Climate Change*, MIT Press, Cambridge, MA. 1994.
- B13. *Integrative Assessment of Mitigation, Impacts, and Adaptation to Climate Change*, N. Nakicenovic, W. Nordhaus, R. Richels, and F. Toth, eds., IIASA, CP-94-009, 1994 also published as a special issue of *Energy Policy*, vol. 23, No. 4/5, April 1995.
- B14. *Climate Change: Integrating Science, Economics, and Policy*, N. Nakicenovic, W. Nordhaus, R. Richels, and F. Toth, eds., IIASA, CP-96-1, 1996.
- B15. *The Swedish Nuclear Dilemma: Energy and the Environment*, Resources for the Future, Washington, D.C., 1997. (Also published in Swedish as *Körnkraft och Miljö - ett Svenskt Dilemma*, SNS Förlag, Stockholm, 1996.)
- B16. *Economic and Policy Issues in Climate Change*, editor, with contribution, Resources for the Future Press, Washington, 1998.
- B17. *Nature's Numbers: Expanding the National Economic Accounts to Include the Environment*, Report of the Panel on Integrated Environmental and Economic Accounting, edited, with Edward Kockelenberg, National Academy Press, 1999.

- B18. *Warming the World: Economic Modeling of Global Warming*, with Joseph Boyer, MIT Press, Cambridge, Mass., Summer 2000.
- B19. *Induced Innovation and Climate Change: Collected Essays*, ed. with Nebojsa Nakicenovic and Arnulf Gruebler, Resources for the Future Press, 2002.
- B20. *Architecture for the National Accounts*, eds., Dale Jorgenson, J. Steven Landefeld, and William Nordhaus, Chicago University Press, 2006.
- B21. *A Question of Balance: Weighing the Options on Global Warming Policies*, Yale University Press, New Haven, CT, 2008. A copy of the prepublication version is available, .
- B22. *Technological Change to Promote a Low Carbon Economy*, Ed. with Nebojsa Nakicenovic, *Energy Economics*, Special Issue, 2011.
- B23. *The Climate Casino: Risk, Uncertainty, and Economics for a Warming World*. Yale University Press, New Haven, CT, USA, 2013.
- B24. Nordhaus, William D., Stephen A. Merrill, and Paul T. Beaton, eds. *Effects of US Tax Policy on Greenhouse Gas Emissions*. National Academies Press, 2013.
- B25. Nordhaus, William, *The Spirit of Green*, Princeton University Press, 2021.

## JOURNAL PUBLICATIONS:

- R1. "The Optimal Rate and Direction of Technological Change", Karl Shell, ed., *Essays on the Theory of Optimal Economic Growth*, M.I.T. Press, 1967.
- R2. "Balanced Growth –A Razor's Edge?" *International Economic Review*, Volume 8, No. 3, October 1967, (with George Akerlof).
- R3. "An Economic Theory of Technological Change," *American Economic Review*, Volume 59, May 1969.
- R4. "Recent Developments in Price Dynamics," O. Eckstein, ed., *The Econometrics of Price Determination*, Board of Governors of the Federal Reserve System.
- R5. "The Optimal Life of a Patent: Reply," *American Economic Review*, Volume 62, June 1972.
- R6. "Pricing in the Trade Cycle," *The Economic Journal*, Volume 82, 1972, (with Wynne Godley).
- R7. "The Worldwide Wage Explosion," *Brookings Papers on Economic Activity*, 2:1972.
- R8. "The Recent Productivity Slowdown," *Brookings Papers on Economic Activity*, 3:1972.
- R9. "A Skeptical Note on the Theory of Induced Innovation," *The Quarterly Journal of Economics*, February 1973.
- R10. "World Dynamics: Measurement Without Data," *The Economic Journal*, Volume 83, No. 332, December 1973.
- R11. "The Allocation of Energy Resources," *Brookings Papers on Economic Activity*, 3:1973, .
- R12. "The Effects of Inflation on the Distribution of Economic Welfare," *Journal of Money, Credit and Banking*, Volume 5, No. 1, Part II, 1973.

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- R14. "Resources as a Constraint on Growth," *American Economic Review*, Volume 64, No. 2, 1974.
- R15. "The Falling Share of Profits," *Brookings Papers on Economic Activity*, 1:1974.
- R16. "A Technique for Decomposing Inflation," *Volume on Income and Wealth*, 1974, (with John Shoven).
- R17. "Energy in the Economic Report," *The American Economic Review*, Volume 64, No. 4, September 1974.
- R18. "The Political Business Cycle," *Review of Economic Studies*, April 1975.
- R19. "Inflation Theory and Policy," *American Economic Review*, May 1976.
- R20. "Energy and Economic Growth," in J.C. Hurewitz, ed., *Oil, the Arab-Israeli Dispute, and the Industrial World*, Westview Press, Boulder, Colorado, 1976.
- R21. "Economic Growth and Climate: The Case of Carbon Dioxide," *The American Economic Review*, May 1977, .
- R22. "The Role of Research in Economic Growth," in American Association for the Advancement of Science, D. I. Phillips, C. C. Cleare, and M. Patterson, Eds., *Research and Development in the Federal Budget*, American Association for the Advancement of Science, November 1977, pp. 19-32.
- R23. "Welfare Measures for Regional Policies," *Explorations in Economic Research*, Volume 4, Number 3, Summer 1977.

- R24. "The Demand for Energy: An International Perspective," in William Nordhaus, ed., Chapter 13, *International Studies of the Demand for Energy*, North-Holland Publishing Company, 1977.
- R25. *Energy Modeling for an Uncertain Future: Report of the Modeling Resource Group of the Committee on Nuclear and Alternative Energy Systems*, National Academy of Sciences Press, 1978, contribution to Chapter IV and Appendix F, with co-authors.
- R26. "Energy Policy: Alternative Strategies for Consumer Countries," in Ragaei El Mallakh and Dorothea H. El Mallakh, *New Policy Imperatives for Energy Producers*, Proceedings of the Sixth International Conference, Boulder, Colorado, 1980.
- R27. "Policy Responses to the Productivity Slowdown," in Federal Reserve Bank of Boston, *Conference on Productivity*, June 1980.
- R28. "The Energy Crisis and Macroeconomic Policy," *The Energy Journal*, vol. I, No. 1, 1980.
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- R31. "Economic Policy in the Face of Declining Productivity Growth," *European Economic Review*, 1982.
- R32. "Macroconfusion: The Dilemmas of Economic Policy," in J. Tobin, ed., *Essays in Honor of Arthur Okun*, Brookings, 1983.
- R33. "How Fast Should We Graze the Global Commons?" *American Economic Review*, Volume 72, 2, May 1982, .
- R34. "A Review of Estimates of Future Carbon Dioxide Emissions," with Jesse Ausubel, in National Research Council-National Academy of Sciences, *Changing Climate*, National Academy Press, 1983.

- R35. "Future Carbon Dioxide Emissions from Fossil Fuels," with Gary Yohe, in National Research Council-National Academy of Sciences, *Changing Climate*, National Academy Press, 1983.
- R36. "Reflections on Monetarism, Stagnation and Other North American Exports", *International Social Science Journal*, Vol. XXXV, No. 3, The World Economy: Theory and Reality, 1983.
- R37. "Induced Technical Change: A Programming Approach", with Ludo Van der Heyden, in Sam H. Schurr, Sidney Sonenblum and David O. Wood, eds., *Energy, Productivity and Economic Growth*, Oelgeschlager, Gunn & Hain, 1983.
- R38. "Reaganomics and Economic Growth: A Summing Up," in Charles R. Hulten and Isabel V. Sawhill, *The Legacy of Reaganomics: Prospects for Long-Term Growth*, Urban Institute Press, Washington, 1984.
- R39. "Identifying Winners and Losers," in National Research Council, *The Race for the New Frontier: International Competition in Advanced Technology- Decisions for America*, National Academy Press/Simon & Schuster, 1984.
- R40. "Comments on 'The Causes of Inflation,'" in *Price Stability and Public Policy*, A Symposium Sponsored by the Federal Reserve Bank of Kansas City, August 1984.
- R41. "Discussion of the Current State of Macroeconomic Theory," *American Economic Review*, May 1984.
- R42. "The Value of Information," in Richard Krasnow, ed., *Policy Aspects of Climate Forecasting*, Resources for the Future, Washington, 1986, pp. 129-133.
- R43. "CO2 Forecasting and Control: A Mathematical Programming Approach," with T. A. Daly, N. Goto, and R. F. Kosobud, in John Weyant, ed., *The Energy Industries in Transition, Part I*, International Association of Energy Economists, Washington, D.C., 1984, pp. 547-561.

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- R46. "Can the Share Economy Cure Our Macroeconomic Woes? Probably Not," in William D. Nordhaus and Andrew John, eds., *The Share Economy: A Symposium*, editor, with Andrew John, published by *The Journal of Comparative Economics*, vol. 10, 1986.
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- R103. "Modeling Induced Innovation in Climate-Change Policy," in *Induced Innovation and Climate Change: Collected Essays*, ed. Arnulf Gruebler, Nebojsa Nakicenovic, and William Nordhaus, Resources for the Future Press, Washington, D.C., 2002.
- R103a. Arnulf Gruebler, Nebojsa Nakicenovic, and William Nordhaus "Induced Technological Change and the Environment: An Introduction," in *Induced Innovation and Climate Change: Collected Essays*, ed. Arnulf Gruebler, Nebojsa Nakicenovic, and William Nordhaus, Resources for the Future Press, Washington, D.C., 2002.
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- R107. "Principles of National Accounting for Non-Market Accounts," *Architecture for the National Accounts*, eds., Dale Jorgenson, J. Steven Landefeld, and William Nordhaus, Chicago University Press, 2006.
- R108. "Geography and Macroeconomics: New Data and New Findings," *Proceedings of the National Academy of Sciences (US)*, March 7, 2006, vol. 103, no. 10, 3510-3517, open access at <http://www.pnas.org/cgi/content/full/103/10/3510> .
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- R111. "After Kyoto: Alternative Mechanisms to Control Global Warming," *American Economic Review*, vol. 96, no. 2, May 2006, pp. 31-34.
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- R119. "Magnitude and direction of technological transfers for mitigating GHG emissions," with Zili Yang, *Energy Economics*, Vol. 28, no. 5-6, 2006, pp. 730-741.
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- R141."President's Foreword." *American Economic Review* 104.5 (2014): xi-xii.
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