## **REFERENCES**

Alic, John A. 1994. "Technology in the Service Industries." *International Journal of Technology Management* 9:1.

Alic, John A., Lewis M. Branscomb, Harvey Brooks, Ashton B. Carter, and Gerald L. Epstein. 1992. *Beyond Spinoff: Military and Commercial Technologies in a Changing World.* (Boston, MA: Harvard Business School Press).

Altshuler, Rosanne. 1989. "A Dynamic Analysis of the Research and Experimentation Credit." *National Tax Journal* XLI (1989): 453-66.

Altshuler, Rosanne, and Henri Chaoul. 1990. "The Effect of Tax Policy on Returns to R&D in the Pharmaceutical Industry: A Methodological Review." (New York: Columbia University, November 1990).

Asmussen, Emmanuel, and Carole Berriot. 1993. "Le credit d-impot recherche, cout et effet incitatif." (Paris: Ministere de l'Economie et des Finances).

Australian Bureau of Industry Economics. 1993. *R&D*, *Innovation and Competitiveness: An Evaluation of the R&D Tax Concession*. (Canberra: Australian Government Publishing Service).

Autenne, J. 1987. "Tax Incentives for Scientific Research Activities: Belgium." *Bulletin for International Fiscal Documentation* 41: 407-9.

Baily, Martin Neil, and Robert Z. Lawrence. 1992. "Tax Incentives for R&D: What Do the Data Tell Us?" (Washington, DC: Study commissioned by the Council on Research and Technology).

—. 1987. "Tax Policies for Innovation and Competitiveness." (Washington, DC: Study commissioned by the Council on Research and Technology, April 1987).

Bell, John. 1995. "The Australian 150% Tax Concession for R&D." (Paris, France: Presentation of the Australian Delegation to the OECD Ad Hoc Meeting on Fiscal Measures to Promote R&D and Innovation).

Berger, Philip. 1993. "Explicit and Implicit Effects of the R&D Tax Credit." *Journal of Accounting Research* 31: 131-71.

Bernstein, Jeffrey I. 1986. "The Effect of Direct and Indirect Tax Incentives on Canadian Industrial R&D Expenditures." *Canadian Public Policy* XII: 438-48.

Bernstein, Jeffrey I., and M. Ishaq Nadiri. 1989. "Rates of Return on Physical and R&D Capital and Structure of the Production Process: Cross Section and Time Series Evidence." In *Advances in Econometrics and Modelling*. B. Raj. ed. (Amsterdam: Kluwer Academic Publishers).

—. 1988. "Interindustry R&D Spillovers, Rates of Return, and Production in High-Tech Industries." *American Economic Review* 78: 429-34.

Bhagat, Sanjai, and Ivo Welch. 1993. "Corporate Research & Development Investments: International Comparisons." (unpublished copy, University of Colorado at Boulder).

Bozeman, Barry, and Albert N. Link. 1985. "Public Support for Private R&D: The Case of the Research Tax Credit." *Journal of Policy Analysis and Management* 4: 370-82.

Brown, Kenneth M. 1985. "The R&D Tax Credit: An Evaluation of Evidence on its Effectiveness." (Washington, DC: A Staff Study prepared for the Joint Economic Committee. U.S. Congress. No. 99-73. August 13, 1985).

—. ed. 1984. *The R&D Tax Credit: Issues in Tax Policy and Industrial Innovation.* (Washington, DC: American Enterprise Institute).

Carlson, George. 1981. "Tax Policy Toward Research and Development." (Washington, DC: Office of Tax Analysis, Department of Treasury, OTA Paper No. 45).

Coe, David T. and Elhanan Helpman. 1993. "International R&D Spillovers." NBER Working Paper No.4444. (Cambridge, MA: NBER).

Collins, Eileen. 1983. An Early Assessment of Three R&D Tax Incentives Provided by the Economic Recovery Tax Act of 1981. Vol. PRA Report 83-7. (Washington, DC: National Science Foundation).

Collins, Eileen L., ed. 1982. *Tax Policy and Investment in Innovation*. (Washington, DC: National Science Foundation).

Corbel, Patrick. 1993. "Le Credit d'Impot-Recherche (C.I.R)." (Paris, France: INSEE, Direction des Etudes et Syntheses Economiques).

Cordes, Joseph J. 1989. "Tax Incentives and R&D Spending: A Review of the Evidence." *Research Policy* 18: 119-33.

Cordes, Joseph J., Harry S. Watson, and J. Scott Hauger. 1987. "Effects of Tax Reform on High Technology Firms." *National Tax Journal* 40: 373-91.

Cox, William A. 1995. "Tax Preferences for Research and Experimentation: Are Changes Needed?" (Washington, DC: Congressional Research Service).

Deloitte, and Touche. 1990. "A Comparison of Tax Incentives for Performing Research and Development in Canada and the United States." (Ottawa, Ontario: Deloitte and Touche).

Dumagan, Jesus C. 1995. "Re-examining the Cost-Effectiveness of the Research and Experimentation Tax Credit." (Washington, DC: Office of Business and Industrial Analysis, Economics and Statistics Administration, U.S. Department of Commerce).

Eisner, Robert. 1989. "Tax Credits and Other Measures to Support Research and Technology." Prepared Testimony for U.S. House of Representatives, Committee on Science, Space and Technology, Subcommittee on Science, Research and Technology. May 18, 1989.

——. 1987. "Proposals to Increase and Extend the Research and Experimentation Tax Credit." Prepared Testimony, Senate Committee on Finance, Subcommittee on Taxation and Debt Management, April 3, 1987.

—. 1985. "The R&D Tax Credit: A Flawed Tool." *Issues in Science and Technology* 1: 79-86.

—. 1984. "Research and Experimentation Tax Credit: Statement before the Subcommittee on Oversight of the Committee on Ways and Means of the House of Representatives, Ninety-Eighth Congress, Second Session, Serial 98-102." Washington, DC, August 2-3, 1984.

Eisner, Robert, Steven H. Albert, and Martin A. Sullivan. 1986. "The New Incremental Tax Credit for R&D: Incentive or Disincentive." *National Tax Journal XXXVII:* 171-83.

—. 1983. "Tax Incentives and R&D Expenditures." In *Proceedings of the Conference on Quantitative Studies of Research and Development in Industry*, edited by Ecole Nationale de la Statistique et de l'Administration Economique and National Bureau of Economic Research, 375-466. Vol. 2. (Paris, France: CNRS).

Fagerberg, Jan. 1994. "Technology and International Differences in Growth Rates." *Journal of Economic Literature*:1170.

Fullerton, Don, and Andrew B. Lyon. 1988. "Tax Neutrality and Intangible Capital." *Tax Policy and the Economy* 2: 63-88.

—. 1986. "Does the Tax System Favor Investment in High Tech or Smoke-Stack Industries?" *Economic Inquiry* 34: 403-16.

Goto, A., and R. Wakasugi. 1988. "Technology Policy." In *Industrial Policy of Japan*, edited by r Komiya, M. Okuno, and K. Suzumura. (Tokyo: Academic Press).

Grace, M., and S. Berg. 1990. "Multinational Enterprises, Tax Policy, and R&D Expenses." *Southern Economic Journal* 57: 125-38.

Griffith, Rachel, Daniel Sandler, and John Van Reenen. 1995. "Tax Incentives for R&D." *Fiscal Studies* 16: 21-44.

Griliches, Zvi. "Productivity, R&D, and the Data Constraint." *The American Economic Review* 84:1.

Hall, Bronwyn H. 1995. "Fiscal Policy Towards R&D in the United States: Recent Experience." Paris, France: Presentation to the OECD Working Group on Fiscal Measures to Promote R&D, January 19, 1995.

—... 1994. "The Private and Social Returns to Research and Development: What Have We Learned?", a paper presented at the AEI-Brookings Conference on The Contribution of Research to the Economy and Society," Washington, DC, October 3, 1994.

—. 1993a. "R&D Tax Policy During the Eighties: Success or Failure?" *Tax Policy and the Economy* 7: 1-36.

Harhoff, Dietmar. 1994. "The Tax Treatment of R&D Expenditure." Research Report No. 94-02.(Mannheim, Germany: ZEW and University of Mannheim).

Harhoff, Dietmar, and Heinz Koenig. 1992. "Recent Initiatives in Industrial Economics and their Implications for an Industry and Technology Support Policy." In *Innovationsoekonomie und Technologiepolitik*, Frieder Meyer-Krahmer. ed. (Heidelberg: Physica): 47-67.

Heaton, Hal. 1987. "On the Bias of the Corporate Tax against High-Risk Projects." *Journal of Financial and Quantitative Analysis* 22: 365-72.

Hines, James R. 1994a. "No Place Like Home: Tax Incentives and the Location of R&D by American Multinationals." *Tax Policy and the Economy* 8: 65-104.

Hines, James R., Jr. 1994b. "Taxes, Technology Transfer, and the R&D Activities of Multinational Firms." *National Bureau of Economic Research Working Paper No.* 4932: 1-30.

—... 1993. "On the Sensitivity of R&D to Delicate Tax Changes: The Behavior of U.S. Multinationals in the 1980s." In *Studies in International Taxation*. Alberto Giovannini, R. Glenn Hubbard, and Joel Slemrod. eds. (Chicago: University of Chicago Press,): 149-94.

Hiramatsu, Hirhisa. 1995. "Japanese Fiscal Measures to Promote R&D." Paris, France: Presentation of the Japanese Delegation to the OECD Ad Hoc Meeting on Fiscal Measures to Promote R&D and Innovation, January 19, 1995.

Hudson, David S. 1991. "The Tax Concept of Research or Experimentation," *Tax Lawyer* 45:1.

Hufbauer, Gary. 1992. "Appendix F: The Virtues and Vices of an Incremental Tax Credit." In *U. S. Taxation of International Income: Blueprint for Reform.* Gary Hufbauer, ed. (Washington, DC: Institute for International Economics): 243-51..

Hughes, E., and D. G. McFetridge. 1985. "A Theoretical Analysis of Incremental Investment Incentives with and Application to the Case of Industrial R&D." *Journal of Public Economics* 27: 311-29.

Huizinga, Harry. 1992. "The Tax Treatment of R&D Expenditures of Multinational Enterprises." *Journal of Public Economics* 47: 343-59.

Jaffe, Adam B., Manuel Trajtenberg, and Rebecca Henderson. 1993. "Geographic Localization of Knowledge Spillovers as Evidenced by Patent Citations." *Quarterly Journal of Economics*. Aug. 1993:577.

Leyden, Dennis Patrick, and Albert N. Link. 1993. "Tax Policies Affecting R&D: An International Comparison." *Technovation* 13 (1993): 17-25.

l'Huillery, Stephan. 1995. "National Systems of R&D Tax Credits." Report of the Ad Hoc Meeting on Fiscal Measures to Promote R&D and Innovation, OECD, Paris, January 19, 1995. CREI, Universite de Paris-Nord.

Lichtenberg, Frank R. 1992. "R&D Investment and International Productivity Differences." NBER Working Paper no.4161.

Link, Albert N. 1995. "Ad Hoc Meeting of Experts on Fiscal Measures to Promote R&D and Innovation: A Summary Report." Report of an OECD Working Group, January 19, 1995. University of North Carolina, Greeensboro.

Long, William F., and David J. Ravenscraft. 1989. "The Record of LBO Performance." (Washington, DC: Brookings Institution).

Mairesse, Jacques, and Bronwyn H. Hall. 1995. "Estimating the Productivity of Research and Development in French and U.S. Manufacturing Firms." Forthcoming in *International Productivity Comparisons*. Wagner, Karin, and Bart Van Ark . eds. (Amsterdam: Elsevier-North Holland).

Mamuneas, Theofanis P., and M. Ishaq Nadiri. 1993. "Public R&D Policies and Cost Behavior of the US Manufacturing Industries." Research Report Number 93-44 (New York University: C.V. Starr Center for Applied Economics).

Mansfield, Edwin. 1986. "The R&D Tax Credit and Other Technology Policy Issues." *AEA Papers and Proceedings* 76: 190-94.

Tax Incentives for Research and Development." In <i>The Uneasy Alliance: Managing the</i>
Productivity-Technology Dilemma. Kim B. Clark, Robert H. Hayes, and Christopher
Lorenz. eds. (Boston, MA: Harvard Business School Press).

—... 1984a. "R&D and Innovation: Some Empirical Findings." In *R&D*, *Patents*, *and Productivity*. Zvi Griliches, ed. (Chicago: University of Chicago Press.).

—. 1984b. "How Effective is the R&D Tax Credit?" *Challenge* 27: 57-61.

—. 1972. "Contribution of Research and Development to Economic Growth of the United States," *Papers and Proceedings of a Colloquium on Research and Development and Economic Growth Productivity*. (Washington, DC: National Science Foundation).

Mansfield, Edwin, and Loren Switzer. 1985. "The Effects of R&D Tax Credits and Allowances in Canada." *Research Policy* 14: 97-107.

Mansfield, Edwin, and Lorne Switzer. 1985. "How Effective are Canada's Direct Tax Incentives for R&D?" *Canadian Public Policy* 11: 241-46.

Mamuneas, Theofanis P. and M. Ishaq Nadiri. 1995. "Public R&D Policies and Cost Behavior of the U.S. Manufacturing Industries." NBER Working Paper No. 5059. (Cambridge, MA: NBER).

McConaghy, Mark L. and Richard B. Ruge. 1993. "Congressional Intent, Long-standing Authorities Support Broad Reading of Section 174," *Tax Notes* (Special Report), February 1, 1993.

McCutchen, William M., Jr. 1993. "Estimating the Impact of the R&D Tax Credit on Strategic Groups in the Pharmaceutical Industry." *Research Policy* 22: 337-51.

McFetridge, Donald G., and Jacek P. Warda. 1983. *Canadian R&D Incentives: Their Adequacy and Impact*. Vol. Canadian Tax Paper No. 70. (Toronto: Canadian Tax Foundation).

Meyer-Krahmer, Frieder. 1990. "The Determinants of Investment in R&D and the Role of Public Policies." In *Technology and Investment: Crucial Issues for the 1990s.* E. H. Deiaco and G. V. E. Deiaco, eds. (New York: Columbia University Press): 167-84.

Mohnen, Pierre. 1990. "The Impact of Foreign R&D on Canadian Manufacturing Total Factor Productivity Growth." )Montreal, Quebec: UQAM CREPE Cahier de recherche no 58).

Nadiri, M. Ishaq. 1993. *Innovations and Technological Spillovers*. Economic Research Report # 93-31, C.V. Starr Center for Applied Economics (NY: NYU).

Nadiri, M. Ishaq. 1980. "Contributions and Determinants of Research and Development Expenditures in the U.S. Manufacturing Industries." In *Capital, Efficiency and Growth*. George M. von Furstenberg, ed. (Cambridge, MA: Ballinger).

National Science Foundation. Division of Science Resources Studies.1994. *National Patterns of R&D Resources: 1994.* NSF 95-304. (Washington, DC: NSF).

Nelson, Richard. 1992. "The Roles of Firms in Technical Advance: A Perspective from Evolutionary Theory." In *Technology and Enterprise in a Historical Perspective*. Giovanni Dosi, Renato Giannetti, and Pier Angelo Toninelli. eds. (Oxford: Clarendon Press).

OECD. DSTI. 1994. *Manufacturing Performance: A Scoreboard of Indicators*. (Paris: OECD).

——. 1984. *Science and Technology Policy: Review and Outlook.* (Paris, France: OECD).

Penner, Rudolph G., Linden C. Smith, and David M. Skanderson. 1994. "Extending the R&D Tax Credit: The Importance of Permanence." (Washington, DC: KPMG Peat Marwick LLP).

Rosenberg, Nathan, Ralph Landau, and David C. Mowery. eds. 1992. *Technology and the Wealth of Nations* (Stanford, CA: Stanford University Press).

Seyvet, Jeanne. 1995. "Le Credit d'Impot Recherche (CIR) en France." Paris, France: Ministere de l'Enseignement Superieur et de la Recherche. Presentation to the OECD Working Group on Fiscal Measures to Promote R&D, January 19, 1995.

Stoffregen, Philip A. 1995. "Giving Credit where Credit is Due: A Brief History of the Administration of the R&D Tax Credit." *Tax Notes* 1995 (16 January 1995): 403-16.

Stoneman, Paul. 1991. "The Use of a Levy/Grant System as an Alternative to Tax-based Incentives to R&D." *Research Policy* 20 (1991): 195-201.

Swenson, C. W. 1992. "Some Tests of the Incentive Effects of the Research and Experimentation Tax Credit." *Journal of Public Economics* 49: 203-18.

Tassey, Gregory. 1995. "Different Market Failures, Different Policy Responses: Government Funding vs. R&D Tax Credits." Prepublication copy.

Tillinger, Janet W., and Winston T. Shearon. 1991. "Asymmetric Information, Taxes, and Investment in Research and Development." Texas A&M University. U.S. Congress. 1995. Statements from the Hearing on the Taxation of Research and Experimentation. (Washington, DC: United States Senate Committee on Finance). —. 1993. "Omnibus Budget Reconciliation Act, Subchapter A, Part II (Investment Incentives), Subpart A (Research and Clinical Testing Credits)." Public Law 103-66. —. 1992a. "Competitiveness and Long-Term Tax Policy." Washington, DC: Proceedings of a Hearing before the Subcommittee on Taxation of the Committee on Finance, U. S. Senate, One Hundred Second Congress, Second Session (February 6, 1992), S. Hrg. 102-644. —. 1992b. "Description and Analysis of Tax Provisions Expiring in 1992." Washington, DC: Report prepared by the Staff of the Joint Committee on Taxation (January 27, 1992), JCS 2-92. —. 1986. "Tax Reform Act of 1986: Report of the Committee on Finance, U.S. Senate." Washington, DC: U.S. Senate, Report No. 99-313 (H.R. 3838, May 29, 1986). Photocopied. -. Congressional Budget Office. 1995. Federal Financial Support of Business. (Washington, DC: Congressional Budget Office). ——. General Accounting Office. 1995a. "Tax Policy: Additional Information on the Research Tax Credit." GAO/T-GGD-95-161. Delivered as testimony before the Subcommittee on Oversight of the Committee on Ways and Means, House of Representatives. May 10, 1995. —. General Accounting Office. 1995b. "Tax Policy: Information on the Research Tax Credit." Delivered as testimony to the Senate Finance Committee, Subcommittee on Taxation. April 1995. —. General Accounting Office. 1989. The Research Tax Credit Has Stimulated Some Additional Research Spending. Vol. GAO/GGD-89-114. (Washington, DC: U.S. General Accounting Office). —. Office of Technology Assessment. 1994. Multinationals and the U.S. Technology Base. OTA-ITE-612. (Washington, DC: U.S. Government Printing Office).

U.S. Department of Commerce. Economics and Statistics Administration. 1994. *Technology, Economic Growth, and Employment: New Research from the Department of Commerce.* (Washington, DC: U.S. Department of Commerce).

—. Office of Technology Assessment. 1993. Pharmaceutical R&D: Costs, Risks and

Rewards. OTA-H-522 (Washington, DC: U.S. Government Printing Office).

U.S. Department of the Treasury. 1983. "The Impact of the Section 861-8 Regulation on U.S. Research and Development." (Washington, DC: U.S. Department of the Treasury Report).

Warda, Jacek. 1994. *Canadian R&D Tax Treatment: An International Comparison*. Vol. Report No. 125-94. (Ottawa, Ontario: The Conference Board of Canada).

Wozny, James A. 1989. "The Research Tax Credit: New Evidence on Its Effect." *Proceedings of the Eighty-Second Annual Conference of the National Tax Association-Tax Institute of America* 1989: 223-28.