

BILL GIBSON

Feb 2010

Department of Economics
University of Vermont
343 Old Mill
Burlington, VT 05405-0078
(802) 656-0191 6-3064 (message)
e-mail bill.gibson@uvm.edu
on the web at www.uvm.edu/~wgibson

9 Long Plain Road
Leverett, MA 01002

(413) 548-9448

Date of Birth: July 16, 1948

Degree	Institution	Degree
Ph.D. 1977 Economics	University of California, Berkeley	Agricultural and Resource
M.B.A. 1974	University of California, Berkeley	Business Administration
B.S. 1970	Georgia Institute of Technology	Aerospace Engineering

POSITIONS HELD

Sept-08-Present	Consultant on curriculum development for Economics for Scientists and Engineers, University of Massachusetts, Amherst.
Sept. 86-present	John Converse Professor of Economics, University of Vermont, Burlington.
Oct-07 -present	InterNano advisory board
Aug 05-Aug 06	Consultant to the International Labour Organization (Buenos Aires)
Sept-07-Aug-08	Visiting Professor of Public Policy and Economics, University of Massachusetts, Amherst
Jul. 94-Jun 96	Consultant to the Environmental Protection Agency, Washington, DC
Jan. 97-Jun 97	Visiting Research Fellow at the Development Bank of Southern Africa, Johannesburg, South Africa.
Jan. 95-Aug. 95	Visiting Research Fellow at the Development Bank of Southern Africa, Johannesburg, South Africa.
Apr. 92-Jul. 93	Consultant to the African National Congress, Congress of South African Trade Unions, Durban and Johannesburg, South Africa.
Feb. 89-Aug. 89	Consultant to the Harvard Institute for International Development, La Paz, Bolivia
Jan. 90-Jun. 90	Visiting Assistant Professor, Department of Economics, University of Notre Dame
Sept. 77-Sept. 86	Assistant Professor of Economics, University of Massachusetts, Amherst
Feb. 82-Aug. 85	Consultant to the Centro de Investigaciones y Estudios de la Reforma Agraria (CIERA) Managua, Nicaragua.

Sept. 83-Aug. 85 Consultant to the Food and Agricultural Organization of the United Nations (FAO) Rome, Italy.

Jan. 81-Jun. 82 Consultant to the *Sistema Alimentario Mexicano*, México, DF., México.

Jan. 81-Aug. 81 Visiting Assistant Professor, Department of Agricultural & Resource Economics, University of California, Berkeley

Jan. 79 Visiting Professor, Faculty Colloquium on the Theory of Value, Centro de Estudios Económicos y Demográficos, El Colegio de México, México, D.F.

Sept. 76-Jan. 77 Visiting Assistant Professor, Department of Economics and Planning, Universidad Nacional, Agraria, Lima, Perú.

Jan. 76-Jan. 77 Consultant, Ford Foundation, Lima, Peru, for the Socio-Economic Study Group, Cajamarca-La Libertad Pilot Project

TEACHING EXPERIENCE

Computational economics, Multi-agent systems, Economics of Space Exploration

Economic Development (English and Spanish), Globalization and Poverty, Corporate Finance, Open Economy Macroeconomics, International Trade, Macroeconomics, Mathematical Economics, Econometrics. (Summary of teaching evaluations available on request)

PUBLICATIONS AND PAPERS

Trade and Employment. International Labor Organization, forthcoming 2010.

"The Structuralist Growth Model", Lead article in Handbook on Alternative Growth, Edward Elgar, edited by Mark Setterfield. 2010.

"Keynesian and Neoclassical Closures in an Agent Based Context" *METU Studies in Development*, Middle Eastern Technical University, Ankara, Turkey, 2008

"The Current Crisis in Macroeconomic Theory" Forthcoming in Jon Goldstein and Michael Hillard eds *Heterodox Macroeconomics: Keynes, Marx and globalization*, Routledge, 2009.

"Planning and Planning Models" in Amitava Dutt and Jaime Ros, *International Handbook of Development Economics* UK and Northampton, MA., 2008.

"Empirical Models and Data" in Amitava Dutt and Jaime Ros, *International Handbook of Development Economics* UK and Northampton, MA., 2009.

"A Multi-Agent Systems Approach to the Microfoundations of Macro" Working Paper, Department of Economics, University of Massachusetts, Amherst, 2007

"Two Models for Analyzing Economic Policy" International Labour Organization, Buenos Aires, 2005.

"The Transition to a Globalized Economy: Poverty, Human Capital and the Informal Sector in a Structuralist CGE Model" *Journal of Development Economics* **78** (1), 2005, pp. 60-94.

Joan Robinson's Economics: A Centennial Celebration Cheltenham UK and Northampton, MA., 2005.

"Thinking outside the Walrasian Box" *International Journal of Political Economy* **33** (2) 2003, pp. 36-46 also published in Setterfield (ed) *Interactions in Analytical Political Economy: Theory, Policy, and Applications*, Armonk, NY: M.E. Sharpe.

"Monitoring Labor Standards in a Macroeconomic Context" Department of Economics, University of Vermont. Setterfield (ed) *Interactions in Analytical Political Economy: Theory, Policy, and Applications*, Armonk, NY: M.E. Sharpe.

"Análisis de la Estructura Fiscal y Comercial y los Impactos Ambientales Asociados en la Republica Dominicana" (Environmental implications of fiscal and trade policies in the Dominican Republic) with Jaime Aristy, February 2002.

"An Essay on Late Structuralism", in *Economic Development and Structuralist Macroeconomics*, edited by Amitava Krishna Dutt and Jaime Ros, Cheltenham: Edward Elgar, (March 2002).

"A Tale of Two Models" with Dirk van Seventer *International Review of Applied Economics*, **14**(2), 2000. pp. 149-171.

"Real Wages, Employment and Macroeconomic Policy in a Structuralist Model for South Africa" with Dirk van Seventer. Johannesburg, Development Bank of Southern Africa *Journal of African Economies*, **9**(4) 2000 pp. 512-546.

"Will I Lower Wages Cause Faster Growth in South Africa" *Studies in Economics and Econometrics* **24**(3), 2000 pp. 143-163.

"La liberalización y crisis financieras en Paraguay: Un modelo computable de equilibrio general dinámico" (Liberalization and Financial Crisis in Paraguay: A Dynamic Computable General Equilibrium Model.) with José Molinas. *El Trimestre Económico*, (forthcoming), 1998.

"Globalización y Pobreza: El Caso Paraguayo" (Globalization and Poverty: The Case of Paraguay" with José Molinas, January 1999.

"Green Trade Restrictions? Some macroeconomic and environmental consequences" with Dirk van Seventer. Chapter 4 in *The Bottom Line: Industry and the Environment in South Africa* by Lael Bethlehem and Michael Goldblatt (eds) University of Cape Town Press. 1998.

"A Structuralist Analysis of the Interplay of Macro and labor Market Policies in South Africa" with Dirk van Seventer. Johannesburg, Development Bank of Southern Africa, Paper prepared for the International Labour Office, Geneva, 1996.

"The Macroeconomic Effects of Restructuring Government Expenditure by Function in South Africa" with Dirk van Seventer. *South African Journal of Economics* **65**(2) pp. 191-225, 1997.

"Toward a Growth Strategy" with Dirk van Seventer *Development Southern Africa* **13**(4) August 1996, pp. 511-538.

"The Macroeconomic Implications of Restructuring Rural Credit": " with Dirk van Seventer. Johannesburg, Development Bank of Southern Africa, 1996.

"Trade, Growth and Distribution in the South African Economy" with Dirk van Seventer *Development Southern Africa* **13**(5) October 1996, pp. 771-792.

"Reply to JP van den Heever's comment on "Towards a Growth Strategy for the South African Economy." Seventer *Development Southern Africa* **13**(5) October 1996, pp. 795-798.

"The Environmental Consequences of Stagnation in Nicaragua" *World Development*, **24**(2), 1996, pp. 325-340.

"The DBSA Macromodel" with Dirk Ernst van Seventer, DBSA Occasional Paper, No. 120, Development Bank of Southern Africa, Halfway House, 1997.

"The Break-Up of the Mixed Economy in Nicaragua" in Amitava Dutt (ed.) *Analytical Political Economy* South Bend: University of Notre Dame, 1994.

"Privatization and Accumulation in Mixed Economies" with Amitava Dutt, *Journal of Comparative Economics* **17** (1993) pp. 1-22.

"Alternatives to Coca Production in Bolivia: A General Equilibrium Approach" with Ricardo Godoy, *World Development* **21**(6), 1993, pp. 1007-1021.

"Unequal Exchange" in Philip Arestis and Malcolm Sawyer (eds.) *The Handbook of Radical Political Economy*, edited by, New York: Edward Elgar, 1994.

"A Classical Theory of the Informal Sector" with Bruce Kelley, *The Manchester School* 1994.

"The Nicaraguan Economy in the Medium Run" *Journal of Inter-American Studies and World Affairs*, Summer, 1991, pp. 23-51.

"Restructuring the Nicaraguan Economy" *International Journal of Political Economy* **20**(3), Fall, 1991. pp. 81-96.

"The Inflation-Devaluation-Inflation Hypothesis" *Journal of Development Studies* **27**(2), January 1991 pp. 86-103.

"A CGE for Nicaragua" in Lance Taylor, (ed.) *Structuralist Computable General Equilibrium Models: Socially Relevant Policy Analysis for the Developing World* Cambridge: MIT Press, 1989.

"Nicaragua: Country Study 3" United Nations University, WIDER: Helsinki, 1987.

"Technical Change with Nonproduced Means of Production" *Review of Radical Political Economics* **18**(4), Winter 1986.

"Technical Change and the Theory of Rent: Reply to D'Agata" *Cambridge Journal of Economics* **10**(4), December 1986, pp. 387-391.

"A Structural Overview of the Nicaraguan Economy" lead chapter of Rose Spalding, (ed.) *The Political Economy of Revolutionary Nicaragua* New York: Allyn and Unwin, 1987. (Translation: Fondo de Cultura Económica, 1989.)

"Terms of Trade and Class Conflict in a Marxian Computable General Equilibrium Model for Mexico," (with Nora Lustig and Lance Taylor) *Journal of Development Studies* **23**(1), October 1986, pp. 40-59.

"SAM's Impact on Income Distribution" (with Nora Lustig and Lance Taylor) Chapter 14 of Gustavo Esteva and James Austin (eds.) *Food Policy in Mexico*, Ithaca: Cornell University Press, 1986.

"Unequal Exchange in a Model with Nonproduced Means of Production" University of Vermont, 1985.

"Un modelo dinámico de equilibrio general para Nicaragua" (A dynamic general equilibrium model for Nicaragua) Rome: Food and Agriculture Organization of the United Nations (FAO) 1985.

"Una metodología de construcción de la matriz de contabilidad social para Nicaragua" (A methodology for constructing the social accounting matrix for Nicaragua) Rome: Food and Agriculture Organization of the United Nations (FAO) 1985.

"A Structuralist Macromodel for Post-Revolutionary Nicaragua" *Cambridge Journal of Economics*, 1985, pp. 347-369.

"Profit and Rent and the Terms of Trade: A Reply" (with Darryl McLeod) *Journal of Development Economics* **17**, 1985 pp. 131-139.

"Un enfoque diagramático del modelo de Sraffa sobre la producción de mercancías de mercancías," ("A Diagrammatic Approach to Sraffa's *Production of Commodities by Means of Commodities*") *Investigación Económica* **171**, enero-marzo 1985, pp. 169-214.

"Seguridad alimentaria en un modelo de equilibrio general computable para Nicaragua" (Food Security in Computable General Equilibrium Model for Nicaragua) Asistencia Preparatoria a los Proyectos de Seguridad Alimentaria en Nicaragua, Rome: Food and Agriculture Organization of the United Nations (FAO) (1984).

"Ventajas comparativas y autosuficiencia alimentaria: una comparación en un modelo de equilibrio general con dos especificaciones de precios," (Comparative Advantage and Food Self-Sufficiency: A Comparison in General Equilibrium Model with Two Price Specifications) (with Nora Lustig and Lance Taylor) *Investigación Económica* 168, abril-junio 1984, pp. 45-81.

"Profit and Rent in a Classical Theory of Exhaustible and Renewable Resources" *Zeitschrift für Nationalökonomie*, 1984 pp. 92-106.

"Nonproduced Means of Production: Neo-Ricardians vs. Fundamentalists" (with Hadi Esfahani) *Review of Radical Political Economics* **15**(2), Summer 1983, pp. 83-105.

"Nonproduced means of production in Sraffa's System: Basics, Nonbasics and Quasibasics" (with Darryl McLeod) *Cambridge Journal of Economics* **7**(2), June 1983, pp. 141-150.

"Terms of Trade Policy in a Model with Nonproduced Means of Production" (with Darryl McLeod) *Journal of Development Economics* **10**(1), February 1982, pp. 31-45.

"Unequal Exchange: Theoretical Issues and Empirical Findings." *Review of Radical Political Economics* **12**(3), Fall 1980, pp. 15-35.

SELECTED PROFESSIONAL ACTIVITIES

"A Multi-Agent Systems Approach to Microfoundations", Economic Theory Workshop, University of Massachusetts, Amherst, March 2008.

"A Multi-Agent Systems Approach to the Microfoundations of Macro" Analytical Political Economy Workshop, University of East London, London, UK, 2 June 2008;

"Economics of Nanotech" Workshop, Department of Physics, University of Massachusetts, Amherst, July 2008.

"A Multi-Agent Systems Approach to Microfoundations", Economic Theory Workshop, University of Massachusetts, Amherst, March 2008.

"The Economic Impact of Nanotechnological Development," Lab To Market Seminar, Center for Hierarchical Manufacturing, University of Massachusetts, Amherst, February, 2008.

"A Multi-Agent Systems Approach to Microfoundations", Fordham University, Department of Economics Seminar, Nov 2007 Trinity University and Fordham University, Department of Economics Seminar, Nov 2007.

"Visualizing Economic Systems" Interdisciplinary Seminar in the Humanities and Fine Arts Other Words Series, University of Massachusetts, Amherst, October 2007.

"Agent-Based Models", Conference in Honor of James Crotty, University of Massachusetts, Amherst, October 2007.

"An Agent-Based Macro Model" University of Natal-Durban, South Africa, August, 2007.

"Coherence of Macro and Labor Market Policies in Argentina" Analytical Political Economy Workshop, University of East London, London, UK, June 2007.

"A Virtual-Life Simulation," Center for Public Policy and Administration Seminar, University of Massachusetts, September 2006.

"A Virtual Life Simulation of the Argentine Labor Market," Fordham University, Department of Economics, December 2005.

"Two Models for Analyzing the Impact of Economic Policies" INFORMS speaker series on December 2, 2005 - Isenberg School of Management, University of Massachusetts, Amherst.

"Two Models for Analyzing the Impact of Economic Policies" Presentation to the ILO conference on Globalization and National Development. Toward Greater Coherence of Between Employment and Macroeconomic Policies, August 8 and 9th, 2005.

"The Transition to a Globalized Economy" Presentation to the Latin American and Caribbean Economics Association in San Jose, Costa Rica, Nov. 5, 2004.

"Análisis de la Estructura Fiscal y Comercial y los Impactos Ambientales Asociados en la Republica Dominicana" (Environmental implications of fiscal and trade policies in the Dominican Republic) Presentation to the Ministry of Environment of the Dominican Republic, September 2002.

"The Transition to a Globalized Economy: Poverty, Human Capital and the Informal Sector in a Structuralist CGE Model" Presentation to the Theory Seminar, University of Massachusetts, Amherst, March 2000, UVM March 2000, University of Notre Dame, September, 2000, Secretaria Técnica de Planificación, Asuncion, Paraguay, November 200 and the University of Western Sydney, June 1999.

Globalization and Poverty: The Case of Paraguay: Paper presented to the Workshop of the United Nations Development Program (UNDP) on Current and Capital Account Liberalization, Rio de Janeiro (February, 1999).

"Liberalization and Financial Crisis in Paraguay" talks to the Central Bank and Ministry of Finance of Paraguay, August 1998.

"Real Wages, Employment and Macroeconomic Policy in South Africa" presentation to the National Labour and Economic Development Office, Johannesburg, South Africa, 7 Feb, 1997.

"The Macroeconomic Effects of Restructuring Government Expenditure by Function in South Africa" with Dirk van Seventer, Paper presented to the African Economic Research Consortium, Johannesburg, November 1995.

"A Dynamic Model of the South African Economy" paper presented to the Department of Economics, University of Notre Dame, December, 1994.

"The Distributive Effects of Bolivia's Drug Dependence" paper presented at the Regional Science Association Meetings, November 1990.

"The Inflation-Devaluation-Inflation Hypothesis" paper presented at Roosevelt University, Chicago, April, 1990.

"Nicaragua in the Medium Term" paper presented at WIDER conference on Structural Adjustment" Stockholm, April, 1990.

"A Dynamic Model of a Foreign Exchange Constrained Economy" paper presented to the Workshop in Economic Theory, University of Notre Dame, March, 1990.

"The Break-up of the Mixed Economy" paper presented at the Latin American Studies Association, Miami, December 1989.

Commentator in Conference on Stabilization and Growth, UDAPE, La Paz Bolivia, July, 1989.

Participant in Harvard Institute for International Development workshop on "The Effects of Macroeconomic Policies on Bolivian Agriculture", March, 1989.

"Medium Term Prospects in Nicaragua" paper presented at WIDER conference on Structural Adjustment in the Medium Term, Helsinki, August 1988.

Two-week Lecture Series on Mathematical Models for Developing Countries" INCAE, Managua Nicaragua, March 1988.

Discussant of paper by Raul Hinzosa CIDE-CEPAL Conference on Economic Relations between the U.S. and Mexico, Fordham University, June, 1987.

Discussant of papers by David Ruccio and Carlos Vilas, Latin American Studies Association Annual Meetings, Boston, MA November, 1986.

"(de) Stabilization Policy in Nicaragua" presentation to WIDER conference on Stabilization Policy in the Third World, Helsinki, Finland, August, 1986.

"Short-Term Macro Policy in Nicaragua" presentation to the Non-neoclassical Seminar, MIT-Harvard, February, 1986.

"Macroeconomic Planning and Policy" presentation to the Office of the President, Managua, Nicaragua, August, 1985.

"Preliminary Results of Simulations of Food Security v. 'Desarrollo Hacia Afuera'" presentation to the Food and Agricultural Organization of the United Nations, Managua, Nicaragua, August, 1985.

"A Social Accounting Matrix for Nicaragua IV" presentation to the Centro de Investigaciones y Estudios de la Reform Agraria, Managua, Nicaragua, January, 1985.

"Macropolicy and Planning in Nicaragua" presentation to the Ekonomski Institute, Zagreb Yugoslavia, December, 1985.

"Currency Devaluation in the Nicaraguan Economy" presentation to the Centro de Investigaciones y Estudios de la Reform Agraria, Managua, Nicaragua, November, 1985.

"A Comment on Dixit and Norman's 'Gains from Trade without Lump Sum Compensation'" at the Institute for Mathematics and Its Applications, University of Minnesota, Minneapolis, June, 1984.

"The Construction of Social Accounting Matrices for Macromodels Nicaragua I and III" presentation to the Centro de Investigaciones y Estudios de la Reform Agraria, Managua, Nicaragua, March, 1984.

"Round Table Discussion on Macromodels Nicaragua I and II" talk given at the Food and Agriculture Organization of the United Nations, Managua, Nicaragua, January, 1984.

"A Computable General Equilibrium Model for Nicaragua" presentation to the Interministerial Commission on Economic Policy of the Government of Nicaragua, August, 1983.

"Profit and Rent in a neo-Marxian Theory of Exhaustible and Renewable Resources" presentation to the 5-College Seminar, University of Massachusetts, April, 1983.

"Contractionary Effects of the Mexican Devaluation" presentation to the Symposium on the Longer Term Implications of Mexico's Current Financial Crisis, University of San Francisco, December, 1982.

"The Distribution of Income in Mexico" presentation to the World Bank, Washington, DC, with Nora Lustig and Lance Taylor, November, 1982.

"Simulating Class Conflict in the Nicaraguan Economy" presentation to the Banco Central de Nicaragua, Managua, October 1982.

"The Current Crisis in Nicaragua" presentation to the New England Congress of Latin American Scholars, Amherst, September, 1982.

"Market Structure, Class and Exploitation" presentation to the Banco Central de Nicaragua with Nora Lustig and Lance Taylor, Managua, July, 1982.

"Class Conflict and Terms-of-Trade Policy in a Marxian Computable General Equilibrium Model for Mexico" presentation at the Latin American Econometric Society, Mexico City, July, 1982.

"Unequal Exchange in a Model with Nonproduced Means of Production" presentation to the U.S.D.A.-Universities Trade Consortium, St. Louis, June, 1982.

"A Computable General Equilibrium Model for Mexico" presentation to the First Conference on Terms-of-Trade Policy in Developing Countries, sponsored by the Sistema Alimentario Mexicano, September, 1981.

"Sraffa's Theory of Rent" presentation to the Colegio de México, June, 1981.

"On Sraffa's Fundamental Contribution" presentation to the Department of Economics, Stanford University, February, 1981.

"Effective Demand in Sraffa's System" presentation to the Economics Department, University of California, Berkeley, February 1981.

"Social Accounting Matrices and Computable General Equilibrium Models" presentation to the Ministerio de Coordinación Agro-Industrial de México, January 1981.

"The Theory of Unequal Exchange: An Empirical Approach" presentation to the Third World Conference, New School for Social Research, 1979.

"La Economía Política de los Proyectos de Desarrollo Rural" presentation to the Rural Development Workshop Universidad Nacional Agraria de Chapingo, México, July, 1975.

"The Simple Analytics of Unequal Exchange" presentation to the URPE Seminar, University of California, Berkeley, May 1975.

Referee: *Metroeconomica*

Journal of Comparative Economics

Economic Journal

Journal of Development Studies

Journal of Development Economics

Cambridge Journal of Economics

Zeitschrift für Nationalökonomie

Director of Latin American Studies, University of Vermont, 1986-1990.

Hiring Committee, Economics Department, University of Vermont, 1987-88.

Special Seminar on the Transition in Central America, University of Massachusetts, Fall 1984.

Managing Editor, *Review of Radical Political Economics* 1978-1981.

Assistant Graduate Placement Officer, University of Massachusetts, 1981-84.

Five-College Seminar Series Coordinator 1983-84.

Graduate Placement Officer, University of Massachusetts, 1979-80.

Graduate Admissions Committee Fall, University of Massachusetts, 1980.

Special Graduate Seminar on Cambridge Economics Spring, University of Massachusetts, 1980.

Undergraduate Curriculum Review Committee, University of Massachusetts, 1977-1978.

Ph.D. Dissertation Committees.

James Farrell, "A Computable General Equilibrium Model of the Hungarian Economy".

Bruce Kelly, "The Informal Sector in Peru"

Mario DeFranco, "The Black Market for Dollars in Nicaragua: A Computable General Equilibrium Model"

Carlos Murillo, "A Computable General Equilibrium Model for Costa Rica"

Michael Martin, "A Hypothetical Model of the Reforms in China"

Jon Goldstein, "A Dynamic Mark-up Pricing Model"