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Citizenship Native citizen of United States

Academic Background

Degrees: B.A., Central College (Iowa), Mathematics and Economics, 1965.

M.A., Northern Illinois University, Economics, 1967. Ph.D., University of Wisconsin, Economics, 1971.

Professional Background

Positions: 2013-present	Professor Emeritus of Public Administration and International Affairs
1998-2013	Professor of Public Administration and International Affairs and Maxwell Professor of Teaching Excellence, Syracuse University, Maxwell School of Citizenship and Public Affairs.
2001-present	Faculty Associate, Moynihan Global Affairs Institute, Maxwell School
2005-2006	Visiting Research Fellow, National College of Public Administration and Governance, University of the Philippines, Diliman, Quezon City.
1998-1999	Visiting Professor, Universiti Sains Malaysia, Penang Malaysia.
1994-1998	Professor of Public and Environmental Affairs, Indiana University.
1996-1998	Director, Ph.D. in Public Affairs and Joint Ph.D. in Public Policy, Indiana University.
1994-1998	Senior Research Associate, Workshop in Political Theory and Policy Analysis, Indiana University.
1082-1994	Professor of Public Administration and Economics, Syracuse University (Associate Professor, 1977-1982).

1989-1990 Visiting Professor of Public and Environmental Affairs, Indiana

University.

1977-1994 Senior Research Associate, The Metropolitan Studies Program, Syracuse

University (Associate Director, 1983-1985; Director, 1985-1987).

1976-1977 Associate Professor of Economics, Georgia State University (Assistant

Professor, 1970-1976).

Awards: Birkhead/Burkhead Teaching Excellence Award and Professorship,

2002-2006

Maxwell Professor of Teaching Excellence, 2003-2006

Syracuse University Excellence in Graduate Education Faculty

Recognition Award, 2005

Distinguished alumni award, Central College, 1991

Distinguished alumni award, Northern Illinois University, 2010

Affiliations: Association for Budgeting & Financial Management,

American Society for Public Administration International Institute of Public Finance

National Tax Association

Government Finance Officers Association

Editorial and Advisory Boards:

Editorial board of *Public Organization Review*

Member of Advisory Council, Centre for Public Policy, Indian Institute of Management Bangalore (IIMB)

Research and Training Grants:

Government of India and UNDP, International Comparative Policy Analysis Training Program for Senior Indian Civil Servants, (Faculty Director of Project, 2002- present).

USAID Decentralization: Finance and Management Project (Research Associate and Associate Co-Director, 1987-1994).

USAID Local Revenue Administration Project, 1980-1988 (Project Director, 1985-1988).

NSF, Techniques of Budget Forecasting (Co-principal investigator, 1978-1980).

NSF, Fiscal Implications of Economic Decline (Co-principal investigator, 1977-1979).

U.S. Department of Labor, "The Incidence of, and Response to, Permanent Job Displacement" (Co-principal investigator, 1975-1976).

U.S. Department of Labor, "The Incidence of Manpower Training Programs" (Co-principal investigator, 1974).

U.S. Department of Housing and Urban Development and National League of Cities, Comparative Local Finance Project (Co-principal investigator, 1971-1973).

International Field and Training Experience:

Analysis of operational expenditure block grants in Laos, 2012

Analysis of assignment of devolved functions in Kenya, 2011

Mid-Career Training for Indian Revenue Service Officers, 2011-present

Phase V Mid-Career Public Policy and Management Training Program for Indian Forest Service, 2010 - present

Conditional Grants to District Development Committees in Nepal, 2009 - 2010

Draft Local Government Legislation in Timor Leste (East Timor), 2008

Mid-Career Public Policy Analysis and Management Training Program for Indian

Administrative Service Officers, India, 2007 - 2010

Policy Analysis Training Program, Thailand, 2006 - present

Technical Assistance for the National Finance Statistics Information System Project in Viet Nam, 2007

Analysis of Fiscal Decentralization Policies in Romania, 2005

Fiscal Decentralization in Cambodia, 2004 - 2006

Analysis of Fiscal Decentralization Policies in Albania, 2004

Review of public finance and public administration training in Bulgaria, 2001

South Africa Local Government Financial Reform Project, 2000-2001

Intergovernmental Fiscal Relations in Albania, 2000

Financing environmental projects in the Russian Federation, 1999

Analysis of financing decentralization in Malawi, 1998 & 1999

Analysis of intergovernmental fiscal relations in Indonesia, 1995-1997

Strengthening the role of Parliament in the Ukrainian budget process, 1994-1997.

Assessment of rural roads planning in Sub-Saharan Africa, 1995-96

Analysis of earmarked Roads Fund in Tanzania, 1993

Financing road maintenance in Indonesia, 1990-1991

Assessment of rural roads sector in Bangladesh, 1989

Financing rural local panchayats in Nepal, 1987

Analysis of rural development grants in Bangladesh, Pakistan, Indonesia, and the Philippines, 1986

Local government resource mobilization in Bangladesh, 1982-1984

Assessment of local government fiscal condition in Arusha Region of Tanzania, 1981

Local government finance in the Philippines, 1980-1981

Consultant on various World Bank and USAID Projects in Bangladesh (1984-85), Sri Lanka (1984), Nepal (1986), Philippines (1990, 1992), Thailand (1990), Egypt (1991), and Indonesia (1991).

Research Interests: Local Government Finance; Tax Analysis; Financial Management in Developing Countries

Teaching Experience: Public Sector Economics for Governmental Administration; Public

Finance; Statistics; Policy Analysis; Public Budgeting

Publications

Books:

Institutional Incentives and Sustainable Development: Infrastructure Policies in Perspective (with Elinor Ostrom and Susan Wynne). Boulder, CO: Westview Press, 1993.

Financing Government Decentralization: The Case of Bangladesh (editor). Boulder, CO: Westview Press, 1989.

Understanding Regression Analysis: An Introductory Guide (with David Sjoquist and Paula Stephan), Quantitative Applications in the Social Sciences Series, No. 57. Beverly Hills: Sage Publications, Inc., 1986.

The Property Tax and Alternative Local Taxes: An Economic Analysis (with David Sjoquist). New York: Praeger Publishers, 1975.

Articles, Book Chapters, and Monographs:

"An Approach to Measuring Subnational Administrative Autonomy in Education," (with Naomi Aoki) *International Journal of Public Administration*, 37(1) 2014: 10 – 19.

"Budgeting in Vietnam: Decision Making in a Unitary Budget Environment," (with Phuong Nguyen-Hoang), in C. E. Menifield (ed). *Comparative Budgeting: A Global Perspective*, Sudbury MA: Jones & Bartlett Learning (2011): 133-148.

"An Analysis of Quasi-Decentralized Budgeting in Vietnam," (with Phuong Nguyen-Hoang) *International Journal of Public Administration* 33 (12) 2010: 698-709.

"Measuring Decentralization," (with Kent Eaton) in E. Connerley, K. Eaton, and P. Smoke (eds). *Making Decentralization Work: Democracy, Development, and Security*, Boulder: Lynne Reinner Publishers (2010): 167-190.

"Tax Instruments for Environmental Management in Tourist Destinations," (with Shyam Nath), in S. Nath, J. L. Roberts and Y. N. Madhoo (eds). *Saving Small Island Developing States: Environmental and Natural Resource Challenges*, London: Commonwealth Secretariat (2010): 108-122.

"Fiscal Decentralization Policies in Search of Accountability," *Journal of Public Administration* 2 (4) 2009:1-21. (in Chinese).

"The Challenge of Measuring Decentralization" (with Naomi Aoki), *Journal of Public Administration* 2 (2) 2009:1-16. (in Chinese).

- "Unconditional Intergovernmental Transfers to Finance Decentralization in Albania," *Public Budgeting and Finance* 27 (2) (Summer 2007):50-67.
- "Forecasting Local Revenues and Expenditures," in A. Shah (ed.). *Local Budgeting*, Washington, DC: The World Bank (2007): 53-77.
- "A Counterfactual Analysis of Fiscal Decentralization in Small Countries: The Case of Mauritius," (with Shyam Nath), *Public Finance and Management*, 7 (2) (2007) Web-based journal at http://www.spaef.com/PFM_PUB/v7n2.htm
- "United States of America," in A. Shah (ed.). *Local Governance in Industrial Countries*,. Washington, DC:The World Bank (2006): 313-358.
- "Forecasting Local Revenues and Expenditures," in J. Richard Aronson and Eli Schwartz (eds.), *Management Policies in Local Government Finance* (5th edition). Washington, DC: International City Management Association (2004): 103-132.
- "Routes to Scholarly Success in Public Administration: Is There a 'Right Path'" (with Rosemary O'Leary, Dale Jones, and Ora-orn Poocharoen), *Public Administration Review* 64 (1) (January/February 2004):92-105.
- "Fiscal Decentralization in South East Asia," *Journal of Public Budgeting, Accounting, & Financial Management* 15 (3) (Fall, 2003): 385-413.
- "Municipal Powers and Functions: The Assignment Question," in R. Bahl and P. Smoke (eds.), *Restructuring Local Government Finance in Developing Countries: Lessons from South Africa*. Cheltenham, UK: Edgar Elgar Publishing, Ltd., 2003: 23-69.
- "Integrating Fiscal Decentralization Reforms and the Challenge of Implementation," (with Paul Smoke, Roy Bahl, Andrew Reschovsky, David Solomon, and Peter Vaz) in R. Bahl and P. Smoke (eds.), *Restructuring Local Government Finance in Developing Countries:*Lessons from South Africa. Cheltenham, UK: Edgar Elgar Publishing, Ltd., 2003: 237-289.
- "Intergovernmental Fiscal Transfers: Concepts, International Practice, and Policy Issues" (with Paul Smoke), in P. Smoke and Y.H. Kim (eds.), *Intergovernmental Transfers in Asia: Current Practice and Challenges for the Future*. Manila, Asian Development Bank, 2003: 20-59.
- "Sectoral Decentralization and Intergovernmental Arrangements in Africa" (with Matthew Andrews), *Public Administration and Development* 23 (1) (January 2003): 29-40.
- "Intergovernmental Transfers and Decentralisation in Indonesia" (with Christopher Silver and Iwan Azis), *Bulletin of Indonesian Economic Studies* 37 (3) (December 2001): 345–362.
- "Social Funds and Local Government: The Case of Malawi," *Public Administration and Development* 20 (5) (December 2000): 423-438.

Comment "Understanding Decentralization in Asia: An Overview of the Key Issues and Challenges" by Paul Smoke in *Regional Development Dialogue* (Fall 1999): 18-20.

"Arranging for the Provision and Production of Rural Roads in Developing Countries," *Development Policy Review* 15(4) (December 1997): 393-411.

"Rural Transport Planning: An Approach Paper" (with Ed Connerley) Sub-Saharan Africa Transport Policy Program SSATP Working Paper No. 19. Washington, DC: The World Bank, 1996.

"Forecasting Local Revenues and Expenditures," in J. Richard Aronson and Eli Schwartz (eds.), *Management Policies in Local Government Finance* (4th edition). Washington, DC: International City Management Association (1996): 99-123.

"Comparative Perspectives on Public Finance," in Randall Baker (ed.), *Comparative Public Management*. Westport, CN: Greenwood Press (1994): 119-134.

"Provincial Motor Vehicle Taxation in Indonesia" (with Khairul Mahadi and Huei-Huang Wang), *Bulletin of Indonesian Economic Studies* 29(3) (December 1993): 95-110.

"Analyzing the Performance of Alternative Institutional Arrangements for Sustaining Rural Infrastructure in Developing Countries" (with Elinor Ostrom and Susan Wynne), *Journal of Public Administration Research and Theory* 3(1) (January 1993): 11-45.

"Resource Mobilization and Roads: Micro-Experiments as the Basis for Future Policies in Indonesia," in Louis Siegel (ed.), *Proceedings of the Workshop on Democracy and Governance*, Decentralization: Finance and Management Project. Burlington VT: Associates in Rural Development, November 1991.

Institutional Incentives and Rural Infrastructure Sustainability (with Elinor Ostrom and Susan Wynne), Decentralization: Finance and Management Project Monograph. Burlington, VT: Associates in Rural Development, March 1990.

"Governmental Decentralization in Bangladesh" (Chapter 1); "Local Government Structure" (Chapter 2) (with Maniruzzaman); "Business Taxes and Fees" (Chapter 7); and "Strengthening. Local Governments in Bangladesh" (Chapter 9), in Larry Schroeder (ed.), Financing Government Decentralization: The Case of Bangladesh. Boulder, CO: Westview Press, 1989.

"Public Sector Forecasting in the Third World" (with Michael Wasylenko), *The International Journal of Forecasting* 5 (1989): 333-345.

"A Comparative Analysis of Grants to Local Governments in Southeast and South Asia," *International Review of Administrative Sciences* 55(1) (March 1989): 59-84.

"Local Resource Mobilization through Taxes and User Charges: Issues and Responses in Metropolitan Areas," *Regional Development Dialogue* 10(1) (Spring, 1989): 16-36.

"Tax Instability in Developing Countries and its Effect on Budgeting and Financial Management" (with William Duncombe), *International Journal of Public Administration* 11(3) (1988): 271-309.

"Evaluation of Commercial Economic Forecasts for Use in Local Government Budgeting" (with Stuart Bretschneider), *International Journal of Forecasting* 4 (1988): 33-43.

"Intergovernmental Grants in Developing Countries," *Policy, Planning, and Research Working Paper*, World Development Report. Washington, DC: The World Bank, 1988.

Rural Development Grants to Local Governments in Asia, Metropolitan Studies Program Monograph No. 19, Local Revenue Administration Project, The Maxwell School. Syracuse, NY: Syracuse University, 1987.

Tax Reform and Private Sector Growth (with Roy Bahl, Ved Gandhi, Malcolm Gillis and Charles E. McLure, Jr.), Metropolitan Studies Program Monograph No. 18, Local Revenue Administration Project, The Maxwell School. Syracuse, NY: Syracuse University, 1987.

"Forecasting Local Revenues and Expenditures," in J. Richard Aronson and Eli Schwartz (eds.), *Management Policies in Local Government Finance* (3rd edition). Washington, DC: International City Management Association, 1987.

"Tax Administration and Local Public Finance in Developing Countries" (with James Alm), *The Asian Journal of Public Administration* 9(1) (June 1987): 2-24.

"Local Government Tax Revenue Buoyancy and Stability in Developing Countries" (with Elizabeth Dalton), *Regional Development Dialogue* (Autumn, 1986): 32-61.

"Editor's Preface," Symposium issue on Financing Local and Regional Development, *Regional Development Dialogue* (Autumn, 1986).

"Decentralization in Rural Bangladesh," Asian Survey (November 1985).

"Revenue Forecasting, Budget Setting and Risk" (with Stuart Bretschneider), *Socio-Economic Planning Sciences* (1985).

"Evaluating the Role of Intergovernmental Grants in Decentralization and Local Resource Mobilisation," in Hasnat Abdul Hye (ed.), *Decentralisation Local Government Institutions and Resource Mobilisation*. Comilla, Bangladesh: Bangladesh Academy for Rural Development, 1985.

"Multi-Year Fiscal Forecasting in San Antonio," in Carol W. Lewis and A. Grayson Walker, III (eds.), *Casebook in Public Budgeting and Financial Management*. Englewood Cliffs, NY: Prentice-Hall, 1984.

"Mobilizing Local Resources in Developing Countries" (with Roy Bahl and Jerry Miner) *Public Administration and Development* (1984). Reprinted in Richard Bird and Oliver Oldman (eds.), *Taxation in Developing Countries* (4th edition). Baltimore: Johns Hopkins University Press, 1990, pp. 391-405.

"Philippines Intergovernmental Grants: An Evaluation" (with Roy Bahl), *Asian Pacific Tax and Investment Bulletin*, No. 10 (1984).

A Plan for Increased Resource Mobilization by Local Governments in Bangladesh. Volume I: Executive Summary, and Volume II: Final Report (with James Alm, Roy Bahl and Barbara Miller), Metropolitan Studies Program Monograph No. 14, Local Revenue Administration Project, The Maxwell School. Syracuse, NY: Syracuse University, May 1984.

"Property Tax Growth in Metropolitan Cities in India" (with Shyam Nath), *Nagarlok* (April-June 1984).

"The Role of Multi-Year Forecasting in the Annual Budgeting Process for Local Governments" (with Roy Bahl), *Public Budgeting & Finance* (April 1984).

"Local Government Structure, Financial Management and Fiscal Conditions" (Chapter 1); "The Real Property Tax" (Chapter 2); "The Business License Tax" (Chapter 3); and "Intergovernmental Fiscal Relations" (Chapter 4); (with Roy Bahl), in Roy Bahl and Barbara Miller (eds.), Local Public Finance in the Third World: A Case Study of the Philippines. New York: Praeger Publishers, 1983.

"Local Government Multi-Year Budgetary Forecasting: Some Administrative and Political Issues," *Public Administration Review* (March/April 1982). Reprinted in James H. Carr (ed.), *Crisis and Constraint in Municipal Finance*. Rutgers University, Center for Urban Policy Research, 1984.

"Property Tax Equalization Rates and Implications of Their Use in Tax Inequality Cases in New York City," *American Journal of Economics and Sociology* (January 1981).

"Fiscal Adjustments in Declining States" (with Roy Bahl), in Robert Burchell and David Listokin (eds.), *Cities Under Stress*. Rutgers University, Center for Urban Policy Research, 1981.

"Multi-Year Forecasts of Expenditures and Revenues," in J.R. Aronson and E. Schwartz (eds.), *Management Policies in Local Government Finance* (2nd ed.). Washington, DC: International City Management Association, 1981.

An Assessment of the Revenue Generation Capabilities of Villages, Districts and Arusha Region, Tanzania: Some Policy Options, Metropolitan Studies Program Monograph No. 10, The Maxwell School. Syracuse, NY: Syracuse University, 1981.

Strengthening the Fiscal Performance of Philippine Local Governments: Analysis and Recommendations (with Roy Bahl, David Greytak, Kenneth Hubbell and Ben Diokno), Metropolitan Studies Program Monograph No. 6, The Maxwell School. Syracuse, NY: Syracuse University, 1981.

"The Allocation of Employment and Training Funds across States" (with David Sjoquist and Paula Stephan), *Policy Analysis* (Fall, 1980).

"Local Government Revenue and Expenditure Forecasting" (with Roy Bahl), *The Urban Interest* (Fall, 1980).

"Probabilistic Projections of State and Local Public Employment," *Public Finance Quarterly* (July 1980).

"Multi-Year Revenue and Expenditure Forecasting: Some Policy Issues," *Urban Affairs Papers* (Spring, 1980). Reprinted in John Matzer (ed.), *Practical Financial Management*. Washington, DC: International City Management Association, 1984.

"Property Tax Assessment Problems in the United States and India: Some Contrasts and Comparisons," *Nagarlok*, January-March 1980. Reprinted in Abhijit Datta (ed.), *Property Taxation in India*. Delhi: Indian Institute of Public Administration, 1983.

Projecting and Planning State and Local Government Fiscal Activity in a Declining Region: The New York Case (with Roy Bahl), Metropolitan Studies Program Monograph No. 5, The Maxwell School. Syracuse, NY: Syracuse University, 1980.

"An Analysis of Alternative Local Revenue Sources: Current Status and Future Possibilities" (with David Sjoquist), in William Neenan (ed.), *Financing the Metropolis*. New York: Praeger, 1980.

"The Rational Voter: An Analysis of Two Atlanta Referenda on Rapid Transit" (with David Sjoquist), *Public Choice* (1979).

"Career Commitment and the Labor Force Participation of Married Women" (with Paula Stephan), in C. Lloyd and C. Gilroy (eds.), *Women in the Labor Market*. New York: Columbia University Press, 1979.

"Federal Policy and the Fiscal Outlook for Cities" (with Roy Bahl and Bernard Jump, Jr.), in Kenneth Hubbell (ed.), *Fiscal Crisis and the American City: The Federal Response*. Cambridge, MA: Ballinger, 1979.

"Property Tax Exporting and Differential Incidence of the Homestead Exemption" (with David Sjoquist), in George Break (ed.), *Metropolitan Finance and Growth Management Policies*. Madison: University of Wisconsin Press, 1978.

- "The Outlook for City Fiscal Performance in Declining Regions" (with Roy Bahl and Bernard Jump, Jr.), in Roy Bahl (ed.), *The Fiscal Outlook for Cities*. Syracuse, NY: Syracuse University Press, 1978.
- "Alternative Circuit-Breaker Programs: An Analysis of the Size and Distribution of Benefits" (with David Sjoquist), *Public Finance Quarterly* (October 1978).
- "Investigation of Population Density Gradients Using Trend Surface Analysis: Comment" (with David Sjoquist), *Land Economics* (May 1977).
- "Property Tax Relief through Circuit-Breakers" (with David Sjoquist), *Atlanta Economic Review* (January/February 1977). Reprinted in *International Assessor* (May 1977).
- "An Investigation of the Causes of Variations in Property Tax Assessments" (with David Sjoquist), *Assessors Journal* (December 1976).
- "Investigation of Population Density Gradients Using Trend Surface Analysis" (with David Sjoquist), *Land Economics* (August 1976).
- "Alternative Methods for Handling Panel Data When Analyzing Duration-Related Phenomena," *Sociological Methods and Research* (August 1976).
- "Interrelatedness of Occupational and Geographical Labor Mobility," *Industrial and Labor Relations Review* (April 1976).
- "An Analysis of Income Concentration in Small Areas," *Review of Regional Studies* (April 1976).
- "The Change in Tax Burden Resulting from the Creation of a Criminal Justice Service District: Atlanta" (with David Sjoquist), *National Tax Journal* (March 1976).
- "Survey Reporting Errors and Class Income Interval Definitions" (with David Sjoquist), *Social Science Quarterly* (March 1976).
- "An Analysis of Alternative Methods for Reducing the Burden of the Property Tax in the City of Atlanta" (with David Sjoquist), *Atlanta Economic Review* (January/February 1976).
- "An Information Theoretic Analysis of Occupational Mobility Paths," *Quarterly Review of Economics and Business* (Winter, 1975).
- "Geographic Mobility in the Atlanta Area, 1965-1970," *Atlanta Economic Review* (July/August 1975).
- "Variations in Property Tax Assessment Ratios: The Case of Fulton County" (with David Sjoquist and Willis Sheftall), *Atlanta Economic Review* (January-February 1975).

- "Interpreting Linear Regression Analysis: An Heuristic Approach" (with David Sjoquist and Paula Stephan), General Learning Corporation, 1974.
- "A Comment on the Effect of Duration on Intragenerational Social Mobility," *American Sociological Review* (December 1974).
- "Alternative Measures of Income: Some Definitional and Measurement Problems" (with David Sjoquist), *Atlanta Economic Review* (July-August 1974).
- "Trend Surface Analysis as a Tool for Handling Spatially-Defined, Non-Coincident Data" (with David Sjoquist and Frank Jozsa, Jr.), *Proceedings of the Social Statistics Section of the American Statistical Association*, 1973.

"Long- Versus Short-Term Impact of Mobility on Income and Earnings" (with Martin David), *Proceedings of the Social Statistics Section of the American Statistical Association*, 1970.

Technical Reports and Papers:

"The Evolution of Intergovernmental Transfer Policy in the United States," Paper prepared for presentation at the China – India – US Symposium, India Institute of Management Bangalore, Bangalore India, January 2011.

"The Challenge of Measuring Decentralization" (with Naomi Aoki), Paper prepared for presentation at the Third International Conference on "Public Management in 21st Century: Opportunities and Challenges" Macau China, October, 2008.

"Decentralization Indicators," (with Kent Eaton) Paper prepared for the Democracy and Governance Office, United States Agency for International Development, Washington DC, October 2006.

"Local Government Accountability Mechanisms and Their Use in the Philippines," Working Paper, Center for Social Policy of the Ateneo School of Government, Ateneo de Manila University, Manila Philippines, May 2006.

"Decentralization Strategy in Romania: An Analytical Framework," Prepared for the Romania Local Government Bridge Project, Associates in Rural Development, June 2005.

"Albania Fiscal Decentralization Policy Study" Prepared for the Albania Local Government Assistance and Decentralization Project, The Urban Institute, May 2004.

"Mechanisms for Strengthening Local Accountability," Paper prepared for the Decentralization Group, The World Bank, March 2003.

Reports of the South Africa Local Government Financial Reform Project prepared for Research Triangle Institute. Including "Final Synthesis Report" (with Paul Smoke, Roy

Bahl, Andrew Rechovsky, and David Solomon), and "The Assignment of Local Government Powers and Functions" September 2001.

"Sectoral Decentralization and Intergovernmental Arrangements," (with Mathew Andrews), presented at the Workshop on Decentralization and Local Governance sponsored by the United Nations Capital Development Fund, Cape Town, South Africa, March 2001; available at http://www.uncdf.org/capetown.

"Albania Fiscal Decentralization Policy Study" prepared for the Urban Institute, August 2000.

"Local Government Finance and Decentralisation," (with Shyam Nath, Reckford Kampanje, Donny Alufandika, Randson R. Mwadiwa, Alan Chinula, and Crispin Kulemeka), prepared for the Government of Malawi, United Nations Capital Development Fund, and the World Bank, Lilongwe, July 1998.

"Effectiveness and Efficiency in Utilization of INPRES Dati II: A Local Perspective," (with Iwan Aziz, Kismet Kosasih, and Christopher Silver), prepared for the Indonesian Municipal Finance Project, Research Triangle Institute, Jakarta, August 1997.

"Analyzing Institutional Arrangements for Rural Infrastructure," prepared for Economic Development Institute, The World Bank, May 1997.

"Rural Transport Planning" (with Edwin Connerley), prepared for the Rural Travel and Transport Program, Africa Technical Dept., The World Bank, October 1996.

"Strengthening the Inpres Program" (with Iwan Azis), prepared for the Indonesian Municipal Finance Project, Research Triangle Institute, Jakarta, June 1996.

"Targeting Intergovernmental Transfers" prepared for the Indonesian Municipal Finance Project, Research Triangle Institute, Jakarta, July 1995.

"Provision and Production of Rural Roads in Developing Countries: A Synthesis of Research Findings," Burlington, VT: Associates in Rural Development, October 1994.

"A Guide to Sustaining Rural Infrastructure Investments," Decentralization: Finance and Management Project. Burlington, VT: Associates in Rural Development, October 1994.

"An Assessment of Alternative Local Governance Unit Arrangements in Developing Countries," Decentralization: Finance and Management Project. Burlington, VT: Associates in Rural Development, May 1994.

"Policy Implementation Review of the Agricultural Transport Assistance Program (ATAP)," (with Tom Driscoll, David Green, and Louis Siegel). August 1993.

- "Local Government Motor Vehicle Taxation in Indonesia," (with Khairul Mahadi and Huei-Huang Wang), Metropolitan Studies Program Occasional Paper No. 145, The Maxwell School. Syracuse, NY: Syracuse University, August 1991.
- "Intergovernmental Fiscal Relations in Egypt," for the Local Government Fiscal Management Study of USAID/Cairo. Washington, DC: KPMG Peat Marwick Policy Economics Group, August 1991.
- "Special Study on Local Resource Mobilization for Road Maintenance in Indonesia" (Three volumes: Volume I: Final Report; Volume II: Case Studies; Volume III: Pilot Project Implementation Plan), Decentralization: Finance and Management Project. Burlington, VT: Associates in Rural Development, March 1991.
- "Managing and Financing Rural Road Maintenance in Developing Countries," Decentralization: Finance and Management Project. Burlington, VT: Associates in Rural Development, May 1990.
- "Foundations for DFM Research: A Prologue to the Study of Institutions and Public Finance" (with Susan Wynne, James Wunsch and Taryn Rounds), Decentralization: Finance and Management Project. Burlington, VT: Associates in Rural Development, May 1990.
- "Bangladesh: Feeder Roads Maintenance and Improvement Project Evaluation" (with David Gephart, Louis Siegel and Ed Connerly), Decentralization: Finance and Management Project. Burlington, VT: Associates in Rural Development, November 1989.
- "Bangladesh Rural and Feeder Roads Sector Assessment" (with Ed Connerly and Susan Wynne), Decentralization: Finance and Management Project. Burlington, VT: Associates in Rural Development, October 1989.
- "Research in Local Government Finance and Administration: Final Report of the Local Revenue Administration Project," Metropolitan Studies Program Occasional Paper No. 132, The Maxwell School. Syracuse, NY: Syracuse University, April 1989.
- "Financing Rural Local Panchayats in Nepal" (with James Wozny), Metropolitan Studies Program Occasional Paper No. 108, The Maxwell School. Syracuse, NY: Syracuse University, July 1987.
- "A Preliminary Report on the Jordanian Tax System" (with Michael Wasylenko), prepared for the United States Agency for International Development, June 1986.
- "Bangladesh: Urban Government Finance and Management Issues and Opportunities," Sector paper prepared for Urban and Water Supply Division, South Asia Projects Department, World Bank, June 1985.
- "Effects of Business Cycles on City Finances: Insider's Views," Metropolitan Studies Program Occasional Paper No. 93, The Maxwell School. Syracuse, NY: Syracuse University, January 1985.

- "The Impact of Business Cycles and Inflation on the Finances of State and Local Governments" (with Roy Bahl and Bernard Jump, Jr.), Metropolitan Studies Program Occasional Paper No. 94, The Maxwell School. Syracuse, NY: Syracuse University, January 1985.
- "Collecting Local Government Financial Data in Developing Countries: The Bangladesh Experience" (with Hasan Murshed and Muin Uddin), Metropolitan Studies Program Occasional Paper No. 82, The Maxwell School. Syracuse, NY: Syracuse University, June 1983.
- "The Land Development Tax in Bangladesh" (with James Alm), Metropolitan Studies Program Occasional Paper No. 84, The Maxwell School. Syracuse, NY: Syracuse University, June 1983.
- "A Review of Bangladesh Zilla and Union Parishad Finances," Metropolitan Studies Program Occasional Paper No. 85, The Maxwell School. Syracuse, NY: Syracuse University, June 1983.
- "Upgraded Thana Parishads: Their Structure and Revenues," Metropolitan Studies Program Occasional Paper No. 86, The Maxwell School. Syracuse, NY: Syracuse University, June 1983.
- "Property Tax Revenue Growth in Two Indian Cities" (with Shyam Nath), Metropolitan Studies Program Occasional Paper No. 65, The Maxwell School. Syracuse, NY: Syracuse University, December 1982.
- "Local Government Structure in Bangladesh" (with Maniruzzaman), Metropolitan Studies Program Occasional Paper No. 62, The Maxwell School. Syracuse, NY: Syracuse University, November 1982.
- "Toll Roads as a Zilla Parishad Revenue Source: A Case Study," Metropolitan Studies Program Occasional Paper No. 63, The Maxwell School. Syracuse, NY: Syracuse University, November 1982.
- "State and Local Government Locational Incentive Programs and Small Business in Region II" (with Paul Blackley). In David Greytak (ed.), *The Regional Environments for Small Business and Entrepreneurship*. Washington, DC: Department of Commerce, Small Business Administration, 1981.
- "Government Expenditure Forecasting: Syracuse and New York State" (with Daniel Chambers), Metropolitan Studies Program Technical Paper Series, The Maxwell School. Syracuse, NY: Syracuse University, 1981.
- "Public Employee Fringe Benefits in Syracuse" (with Beth Honadle and Cynthia Cave), Metropolitan Studies Program Technical Paper Series, The Maxwell School. Syracuse, NY: Syracuse University, 1981.

"The Fiscal Activities and Financial Accounts of New York State: An Overview," Metropolitan Studies Program Technical Paper Series, The Maxwell School. Syracuse, NY: Syracuse University, 1981.

"Local Government Revenue and Expenditure Forecasting: San Antonio" (with Roy Bahl and Marla Share), Metropolitan Studies Program Occasional Paper No. 48, The Maxwell School. Syracuse, NY: Syracuse University, December 1981.

"Local Government Revenue and Expenditure Forecasting: Dallas, Texas" (with Roy Bahl and C. Kurt Zorn), Metropolitan Studies Program Occasional Paper No. 49, The Maxwell School. Syracuse, NY: Syracuse University, December 1981.

"Local Government Revenue and Expenditure Forecasting: Washington, D.C." (with Roy Bahl, Marla Share and Anne Hoffman), Metropolitan Studies Program Occasional Paper No. 51, The Maxwell School. Syracuse, NY: Syracuse University, December 1981.

"Local Government Revenue and Expenditure Forecasting: New Orleans" (with Lee Madere and Jerome Lomba), Metropolitan Studies Program Occasional Paper No. 52, The Maxwell School. Syracuse, NY: Syracuse University, December 1981.

"Probabilistic Projections of Public Employment and Expenditures," Metropolitan Studies Program Occasional Paper No. 44, The Maxwell School. Syracuse, NY: Syracuse University, February 1980.

"Forecasting Local Government Budgets" (with Roy Bahl), Metropolitan Studies Program Occasional Paper No. 38, The Maxwell School. Syracuse, NY: Syracuse University, December 1979.

"Forecasting Municipal Revenues and Expenditures" (with Roy Bahl and William Montrone). In *Management Information Service Report* 11(10). Washington, DC: International City Management Association, October 1979.

"Property Tax Equalization Rates in New York State: A Review of Their Uses and Fiscal Implications," Metropolitan Studies Program Occasional Paper No. 34, The Maxwell School. Syracuse, NY: Syracuse University, January 1979.

"Generation and Comparison across Cities of Broad-Based Metropolitan Income Distributions" (with Roy Bahl, William Oakland and David Sjoquist), Metropolitan Studies Program Occasional Paper No. 31, The Maxwell School. Syracuse, NY: Syracuse University, November 1976.

"An Analysis of Circuit-Breaker Programs for the State of Georgia" (with David Sjoquist), Georgia State University, Processed, June 1976.

"Spending and Tax Effects of Expanding Local Governmental Service Districts" (with David Sjoquist and William Wilkens), Atlanta Urban Observatory and the Georgia State University School of Urban Life, 1974.

Congressional Testimony:

"Fiscal Adjustments in Declining States: The Role of Welfare Reform," Testimony prepared for the Subcommittee on Public Assistance of the Senate Committee on Finance, February 1980.

Papers Presented

"Decentralized Budgeting in Viet Nam: An Overview," (with Phuong Nguyen-Hoang). Presented at the Annual Meetings of the Association for Budgeting and Financial Management, Washington, D.C., September, 2009.

"Fiscal Decentralization Policies in Search of Accountability," Presented at the symposium on *The Remaking of the Chinese Administrative State Since the 1978 Reform* co-sponsored by the Center for Public Administration Research at the School of Politics and Government at Sun Yat-sen University and the China-America Association for Public Affairs in Guangzhou China, December 13-14, 2008.

"The Challenge of Measuring Decentralization" (with Naomi Aoki). Paper prepared for presentation at the Third International Conference on "Public Management in the 21st Century: Opportunities and Challenges," co-sponsored by the Center for Public Administration Research at the School of Politics and Government at Sun Yat-sen University, the Public Administration and Civil Service Bureau of Macau, the University of Macau, and the Macau Foundation, Macau China, October 14-15, 2008.

"Local Government Accountability Mechanisms and Their Use in the Philippines," presented to Forum co-sponsored by Center for Social Policy of the Ateneo School of Government and the Konrad Adenauer Stifung, Manila Philippines, March 9, 2006.

"Municipal Service Assignments in South Africa: Options for Moving Forward," presented at the 24th Annual Research Conference of the Association for Public Policy Analysis and Management, Dallas TX, November 2002.

"Asymmetric Assignment of Local Government Powers and Functions: The Case of South Africa," presented at the 14th Annual Conference on Public Budgeting and Financial Management, Kansas City, MO, October 2002.

"Sectoral Decentralization and Intergovernmental Arrangements: Theory and Evidence," (with Matthew Andrews) presented at the 13th Annual Conference on Public Budgeting and Financial Management, Washington, D.C., January 2002.

- "Sectoral Decentralization and Intergovernmental Arrangements," (with Matthew Andrews) presented at the Workshop on Decentralization and Local Governance sponsored by the United Nations Capital Development Fund, Cape Town, South Africa, March 2001.
- "Fiscal Implications of Decentralization in Malawi," presented at the 12th Annual Conference on Public Budgeting and Financial Management, Kansas City, October 2000.
- "Central Local Fiscal Relations in South-East Asia," presented at the 2000 Annual Conference of the American Society for Public Administration in San Diego, CA, April 2000.
- "Institutions and Development," presented at the Workshop on Institutions and Reform sponsored by the World Bank, April 1998.
- "Analyzing Institutional Arrangements for Rural Infrastructure," presented at the International Workshop on Rural Infrastructure sponsored by the World Bank, May 1997.
- "Rural Transport Planning in Sub-Saharan Africa," (with Ed Connerley) presented to "Tenth Annual Coordinating Committee Meeting of the Road Maintenance Initiative/Rural Travel and Transport Program held in Yaounde, Cameroon co-sponsored by the World Bank and the United Nations Economic Commission for Africa (UNECA), October 1995.
- "Performance Indicators for the Local Government Sector" (with Rita Hilton and Ronald Johnson) presented to the Expert Group Meeting on Urban Indicators sponsored by the United Nations Centre for Human Settlements (Habitat), Nairobi, Kenya, January 1994.
- "Taxes, Other Revenues, and Intergovernmental Transfers: The International Experience" presented to the Conference on Local Government and Infrastructure Finance in Ukraine sponsored by USAID in Kharkiv, Ukraine, June 1993.
- "Issues in Financing and Providing Urban Infrastructure: The Role of Incentives" presented to the Regional Policy Seminar on "Infrastructure Provision and Finance" sponsored by USAID Regional Housing and Urban Development Office in Hammamet, Tunisia, May 1992.
- "Resource Mobilization and Roads: Micro-Experiments as the Basis for Future Policies in Indonesia" presented to the Workshop on Democracy and Governance, sponsored by the Decentralization: Finance and Management Project, held in Falls Church, VA, September 18-20, 1991.
- "International Research and the Tenure/Promotion Process" presented at the 1990 Annual Conference of the National Association of Schools of Public Affairs and Administration, Salt Lake City, October 1990.
- "Road Infrastructure Issues in Developing Countries," presented to the Annual Meeting of the Southern Regional Science Association, Washington, DC, March 1990.

"Local Resource Mobilization through Taxes and User Charges: Issues and Responses in Metropolitan Areas," presented at the United Nations Centre for Regional Development, meeting on Issues in Financial Structure and Management, Nagoya, Japan, February 1988.

"Local Government Tax Revenue Buoyancy and Stability in Developing Countries," presented at United Nations Centre for Regional Development Meeting on Financing Local and Regional Development, Nagoya, Japan, February 1986.

"The Role of Intergovernmental Grants in Decentralization, Local Governments and Resource Mobilization," presented at an International Seminar on Decentralization, Local Governments and Resource Mobilization sponsored by the Government of Bangladesh and USAID in Comilla, Bangladesh, January 1985.

"Revenue and Expenditure Forecasting by Local Governments: A Survey of Practices" (with Roy Bahl), presented at the Fourth International Symposium on Forecasting, London, England, July 1984.

"Property Transfer Taxes in Developing Countries: The Case of Bangladesh" (with James Alm), presented at the Southern Economic Association meetings, Washington, DC, November 1983.

"Decision Analytic Evaluation of Macro-Economic Forecasts for State and Local Government Revenue Forecasting" (with Stuart Bretschneider), presented to the Third International Symposium on Forecasting, Philadelphia, June 1983.

"The Stimulative Effects of Intergovernmental Grants in Developing Countries: The Case of the Philippines," presented at the Southern Economic meetings, Atlanta, November 1982.

"Multi-Year Forecasting of Intergovernmental Aids Using a Decomposition Approach," presented to the ORSA-TIMS Joint National Meeting, Houston, October 1981.

"Mobilizing Local Resources in Developing Countries" (with Jerry Miner), paper presented to the ASPA National Conference, Detroit, April 1981.

"Projecting Local Government Revenues: A Comparison of Models and Results" (with Roy Bahl and C. Kurt Zorn), presented to the Southern Economic Association meetings, Washington, DC, November 1980.

"Adjusting State and Local Budgets During Periods of Slow Economic Growth" (with Roy Bahl), presented to the American Economic Association meetings, Denver, September 1980.

"State and Local Fiscal Interdependence: The Case of New York" (with Roy Bahl), presented to the Southern Economic Association meetings, Atlanta, November 1979.

"Fiscal Adjustments in Declining States" (with Roy Bahl), presented to a Conference on The Municipal Fiscal Squeeze: Problems and Potentials, Miami Beach, March 1979.

- "Projecting the Fiscal Position of State and Local Governments" (with Roy Bahl), presented at the Southern Economic Association meetings, Washington, DC, October 1978.
- "The Outlook for City Fiscal Performance in Declining Regions" (with Roy Bahl and Bernard Jump, Jr.), presented to a Conference on Federal Impacts at The Maxwell School, Syracuse, New York, April 1978.
- "Probabilistic Projections of State and Local Government Employment," presented to the Eastern Economic Association meetings, Washington, DC, April 1978.
- "An Analysis of Alternative Local Revenue Sources: Current Status and Future Possibilities" (with David Sjoquist), presented to the Metropolitan Fund, Inc., Detroit and Southeast, Michigan, January 1978.
- "An Analysis of Displaced Workers Using a National Panel Sample" (with Paula Stephan and David Sjoquist), presented at the Southern Economics Association meetings, New Orleans, November 1977.
- "Geographical Mobility and the Labor Force Participation of Married Women," presented at the Southern Economic Association meetings in New Orleans, November 1977.
- "Career Commitment and Labor Force Participation of Married Women" (with Paula Stephan), presented at the U.S. Department of Labor Conference on 'Women in the Labor Market', Barnard College, September 1977.
- "Public/Private Sector Wage Differentials in Metropolitan Areas," presented at the Society for Government Economists meetings in Atlantic City, September 1976.
- "Short-Term Versus Long-Term Labor Force Participation of Married Women, Husband Present" (with Paula Stephan), presented at the Western Economic Association Meetings in San Francisco, June 1976.
- "Property, Personal Income, General Sales and Payroll Taxes in Atlanta" (with David Sjoquist), presented to the Committee on Taxation, Resources, and Economic Development Conference, Madison, Wisconsin, October 1974.
- "An Analysis of the Theory of Voting Using Two Rapid Transit Referenda" (with David Sjoquist), presented at the Econometric Society meetings, San Francisco, 1974.
- "The Burden of Atlanta's Property Tax Relative to Alternative Tax Sources" (with David Sjoquist), presented at the 1973 Annual Meetings of the Southern Economic Association, Houston.
- "Trend Surface Analysis as a Tool for Handling Spatially-Defined Non-Coincident Data" (with David Sjoquist), presented at the 1973 Annual Meetings of the American Statistical Association, New York.

"Long- Versus Short-Term Impacts of Mobility on Income and Earnings" (with Martin David), presented at the 1970 Annual Meetings of the American Statistical Association, Detroit.

Recent Panel Discussions and Invited Lectures

Invited lectures on intergovernmental fiscal transfers in the Departments of Public Administration at both Nanjing University in Nanjing China and Tsinghua University in Beijing China, December 2008.

Invited lectures to Doctoral students in the College of Public Administration and Governance, University of the Philippines, March 2006.

Invited lectures to Senior Indian Administrative Service (IAS) officers in training at the Indian Institute of Management, Bangalore, December 2002.

Invited lecturer in "Decentralization in Developing Countries" training course at the World Bank, July 2000.

Participant in Workshop on Decentralized Planning and Financing of Rural Development in Asia co-sponsored by the United Nations Capital Development Fund and the Asian Institute of Technology, Bangkok, Thailand, January 1999.

Participant in Workshop on Institutions and Reform sponsored by the World Bank, April 1998.

Participant in the United Nations Capital Development Fund Planning Retreat, Montouk, NY. March 16-17, 1998.

Panelist in Workshop on "Coordination and Information Exchange on International Activities and Issues" at NASPAA Annual Conference, Denver CO, October 18, 1996.

Participant and discussant in session on "Linking Globalization and Governance" at the Conference on Globalization and Governance, Indianapolis, IN October 13, 1996.

Presentation on "Market Structures for Infrastructure Development in Indonesian Local Governments," at the Annual Conference on Public Budgeting and Finance, Washington, DC, October 11, 1996.

Presentation on "INPRES and Implementation of a National Urban Development Agenda" to the Conference on Intergovernmental Transfers and Decentralization sponsored by the Ministry of Planning (BAPPENAS), the Ministry of Finance, and USAID, Jakarta, Indonesia, May 22, 1996.

Book Reviews

Review of *The Limits of Institutional Reform in Development: Changing Rules for Realistic Solutions*, Matt Andrews, Cambridge: Cambridge University Press, 2013. Reviewed in *Governance*, 26:3 (July) 2013, pp. 547-549.

Review of *Fiscal Federalism: Principles and Practice of Multi-Order Governance*, Robin Boadway and Anwar Shah, Cambridge: Cambridge University Press, 2009. Reviewed in *Governance*, 23:3 (July) 2010, pp. 531-533.

"Comments from a Textbook Review Consumer," *Public Performance & Management Review*, June 2005, pp. 565-6.

Review of *Handbook of Taxation*, W. Bartley Hildreth and James A. Richardson (ed.). New York: Marcel Dekker, Inc. 1999. Reviewed in *Public Budgeting & Finance*, Winter 1999.

Review of *Local Government in South Asia: A Comparative Study*, Kamal Siddiqui (ed.). Dhaka, Bangladesh: University Press, Ltd. 1992. Reviewed in the *Indian Journal of Public Administration*, January-March 1992.

Review of Nick Devas et al., *Financing Local Government in Indonesia*, Ohio University, Monographs in International Studies, Southeast Asia Series, No. 84. Athens, Ohio: Ohio University Press, 1989. Reviewed in *Bulletin of Indonesian Economic Studies*, December 1991.

Review of Kenneth Davey, Financing Regional Government: International Practices and Their Relevance to the Third World. Reviewed in Public Administration and Development, April-June 1984.

Review of Shaikh Maqsood Ali, M. Safiur Rahman and Kshanada Mohan Das, Decentralization and People's Participation in Bangladesh. Reviewed in the Indian Journal of Public Administration, April-June 1984.

Review of Hugh Stretton, *Urban Planning in Rich and Poor Countries*. Reviewed in *Social Science Quarterly*, 1980.