

# CURRICULUM VITA

## PERSONAL INFORMATION

- Name: John M. Richardson Jr.
- Address: Lee Kuan Yew School of Public Policy  
Oei Tong Ham Building, Singapore 259772
- Date of Birth: March 12, 1938

## EDUCATION

A.B., Dartmouth College, Hanover, N.H., 1960. Major: history (honors program; Degree awarded with distinction in major.)

Ph.D., University of Minnesota, Minneapolis Minnesota, 1968. Major: political science. Related fields in economics and anthropology.

SSRC Postdoctoral Research Training Fellowship, Center for Comparative Studies in Technological Development and Social Change, University of Minnesota, 1968-69. Areas of emphasis: abstract algebra and applied mathematics. This fellowship also included short periods of work at the Department of Mathematics, Dartmouth College and the Graduate School of Industrial Administration, Carnegie Mellon University.

## HONORS AND AWARDS

Class of 1926 Prize Awarded to the outstanding undergraduate thesis in the field of European history, Dartmouth College, 1960.

NDEA 3 year fellowship in political science, University of Minnesota, 1965-68.

SSRC Postdoctoral Research Training Fellowship, 1968-69.

"One of the Twenty Most Effective Decision Makers in the World,"  
Society for Computer Simulation, 1982.

Making it Happen: A Positive Guide for the Future named by the Journal *New Options* as one of the ten books published in 1982 most likely to transform American politics along more humane and decentralist lines.

Recipient of grants from U.S. Government organizations, private foundations, not for profit organizations and The American University, to support research and writing on environmental quality, global modeling and Global South political conflict.

Selected by the Garrett C. Mendis Foundation to deliver the bi-annual Garrett C. Mendis Memorial Lecture, Colombo Sri Lanka, 1990.

Numerous annually given Awards from the School of International Service for "Service to the University Community" and "Academic Program Development". Named three times as the School of International Service' Teacher Scholar of the Year and nominee for the University Scholar Teacher of the Year Award Moat recently in Academic Year 2005-2006.

Resident Fellow, Pemberley International Studies Center, Nikipotha, Sri Lanka, September 2001.

Recipient of the award for "Outstanding Service to the University Community" by a faculty administrator at American University for the Academic Year 2003-2004.

Named Faculty Member of the Year by the School of International Service Alumni Association for the Academic Year 2010-2011

Named Member of the Year for 2012 by The Balaton Group, a leading network of practitioner scholars that focus on issues global issues of sustainable development and resilience.

## **EMPLOYMENT HISTORY**

1960-65    Commissioned officer on active duty, United States Navy.

1965-68    Graduate student, NDEA Fellow and Research Assistant, Department of Political Science and Center for Comparative Political Analysis, University of Minnesota, Minneapolis, Minn.

1968-69    SSRC Postdoctoral Research Training Fellow and Research Associate, Center for Comparative Studies in Technological Development and Social Change, University of Minnesota, Minneapolis, Minn.

1969-75    Faculty member and administrator, Department of Political Science, Department of Systems Engineering and Systems Research Center, Case Western Reserve University, Cleveland, Ohio.

1975---    Administrator and Faculty Member, Center for Technology and Administration, Quantitative Teaching and Research Laboratory. School of International Service, and Center for Teaching Excellence, The American University, Washington, D.C.; One year visiting appointments at the Sloan School of Management, Massachusetts Institute of Technology and the Department of History and Political Science, University of Colombo (Sri Lanka). Seven month appointment as Visiting Professor, Lee Kuan Yew School of Public Policy, National University of Singapore. Fellow of The Global Asia Institute, National University of Singapore.

## **DEPARTMENTAL AND UNIVERSITY ACTIVITIES**

### **- CASE WESTERN RESERVE UNIVERSITY**

Assistant Professor, Department of Political Science, 1969-74  
Research Faculty Member, Systems Research Center, 1970-75  
Member, Institute for Complex Systems, 1970-74. Also, member of steering committee that established the Institute.  
Director, Donald P. Echman Computing Laboratory, School of Engineering, 1973-75.  
Principal member, Rockefeller Project Group, Systems Research Center, 1972-75  
Principal member, Global Modeling Group, Systems Research Center, 1973-75  
Associate Professor, Department of Systems Engineering, 1974-75

#### **- THE AMERICAN UNIVERSITY**

Director, Center for Technology and Administration (CTA), 1975-78  
Associate Professor of Systems Design and Public Affairs, CTA, 1975-79  
Founding Director, Quantitative Teaching and Research Laboratory, College of Public and International Affairs, 1976-82  
Professor of Applied Systems Analysis, CTA, 1979-80  
Professor of International Affairs and Applied Systems Analysis, School of International Service, 1980-1990  
Professor of International Development, International Development Division, School of International Service, 1990-  
Director of Doctoral Studies, School of International Service, 1991-2000; Acting Director of Doctoral Studies, Spring 2011.  
Director, Center for Teaching Excellence, 2002 – 2009  
(Note: In July, 2002, American University discontinued the division of academic computing and advanced technology support services (e-academics). Responsibility for many of the division's functions and professional staff were reassigned to the Center for Teaching Excellence.. In October 2004, CTE assumed responsibility for AU's Audiovisual Department and all AV capital equipment). CTE (now the Center for Teaching, Research and Learning) is also responsible for distance education and for videoconferencing support services at American University.  
Faculty Resident (the first at American University), Anderson Residence Hall, 2002 – 2011;

#### **- MASSACHUSETTS INSTITUTE OF TECHNOLOGY**

Visiting Scholar, System Dynamics Group, Sloan School of Management, 1982-83. Member, System Dynamics National Model Staff.

#### **- THE UNIVERSITY OF COLOMBO, COLOMBO, SRI LANKA**

Visiting "Linkage" Professor of International Relations, Graduate Program in International Relations, Department of History and Political Science, 1988.  
Note: I have also served as an unpaid consultant on curriculum and faculty development to several University of Colombo Vice Chancellors and worked with faculty members in the Departments of Economics, Political Science and International Relations. I also advised the Chair, Department of Political Science on development of a new PhD program and a new online learning program for the Faculty of Arts.

**- THE NATIONAL UNIVERSITY OF SINGAPORE**

Visiting Professor, Institute of Water Policy, Lee Kuan Yew School of Public Policy. Fellow of the Global Asia Institute, NUS, 2010. Member of the Presidentially Appointed “Core Group” on System Dynamics Modeling, 2010 and 2011.

Visiting Professor, Lee Kuan Yew School of Public Policy and Global Asia Institute and Director System Dynamics Initiative, Lee Kuan Yew School of Public Policy; Director System Dynamics Initiative Project, Global Asia Institute, 2012.

Visiting Professor,, Lee Kuan Yew School of Policy, 2013.

**MEMBERSHIP AND DIRECTOR LISTINGS**

Nominator, Fukuoka Asian Cultural Prize Competition (1992-2000)

Member of the Board of Directors, International Centre for Ethnic Studies, Kandy, Sri Lanka (1993-2008)\_

International Advisory Committee Member, Center for Private Sector Development, Colombo, Sri Lanka (1999-2005)

Editorial Board Member, *Ethnic Studies Report*, 1998 – 2009

Advisory Board/Selection Committee Member, Pemberley International Center for Scholars, Nikipotha (via Hauptalle), Sri Lanka. 2002 –

Editorial Board Member, *Peacebuilding and Development* 2000-2009

**- PREVIOUS**

Member of the Scientific Advisory Board, Studiengruppe fur International Analysen, Laxenberg, Austria (1980-92)

Member of the Board of Directors, U.S. Association for the Club of Rome (1980-82)

Member of the Executive Board, U.S. Association for The Club of Rome (1983-1986)

Member of the Advisory Committee, Congressional Clearing House on the Future (1983-1987)

Member of the Fowler-McCracken Commission Task Force on Ending Hunger Through Government-Business Cooperation (1984-1987)

Member of the Advisory Council of the Following Organizations:

The Hunger Project (1980-83)

Carrying Capacity (1982-1990)

Miami International Symposium on the Biosphere (1983-84)

Member of the Board of Visitors, Wright Ingraham Institute (1978-85)

Member, Review Committee, Solicited Grants Program, United States Institute of Peace (1992).

Member, Selection Committee, Council #4606, National Scholarship Fund, League of United Latin American Citizens (1992).

Member of the *Futures* Editorial Advisory Board (1984-1996)

Charter Member of the Editorial Board, *Futures Research Quarterly* (1984-2004)

## **ORGANIZATIONAL MEMBERSHIPS**

The System Dynamics Society (Charter member: 1983-

The World Future Society (1981-

The Balaton Group (Charter member, 1983)

The Business Initiative (Charter member: 1983-87)

The U.S. Association for the Club of Rome (1975-1998)

Americans for the Universality of UNESCO (Charter member: 1984-1992)

The American Political Science Association (1968-73;1986–2000)

International Studies Association (1989–1998)

Association of Political Risk Analysts (1986-92)

The Society for Computer Simulation (1989-92)

The Society for International Development (1989–

American Institute of Sri Lankan Studies (2000–

## **PUBLICATIONS**

### **- BOOKS AND MONOGRAPHS**

*Partners in Development: AID University Relations*, 1950-66 (East Lansing: Michigan State University Press, 1969)

*Groping in the Dark: The First Decade of Global Modeling* (with Donella Meadows and Gerhart Bruckmann). New York: John Wiley & Sons, 1982

*Making it Happen: A Positive Guide to the Future*. (ed.) Washington: U.S. Association for the Club of Rome, 1982)

*Ending Hunger: An Idea Whose Time has Come* (with Elizabeth Neeld, Donella Meadows, Ted Howard and Joan Holmes) New York: F.A. Praeger, 1985.

*Democratization in South Asia: The First 50 Years* (ed. with S.W.R. D. Samarasinghe). Colombo, Sri Lanka: Sridevi Publications for the International Center for Ethnic Studies, 1998.

Editorial board member for *History and Politics – Millennial Perspectives: Essays in Honor of Kingsley M. de Silva*. (Colombo, Sri Lanka: Law and Society Trust, 1999.) Contributions to this volume are listed below under “Book Chapters.”

*Paradise Poisoned: Learning about Conflict, Terrorism and Development from Sri Lanka's Civil Wars* (Kandy: International Centre for Ethnic Studies, 2005)

*Lessons from the War: Consequences and Failures.* An edited abridgement of the three final chapters of *Paradise Poisoned* in Sinhala and Tamil. Sinhala edition with the assistance of Mr. Ranjit Perera, translator and editor. Tamil edition with the assistance of Mr. K. Ponnambalam, translator and editor. Colombo: Social Science Association of Sri Lanka, 2008.

*Lessons from the War II: Path to the Crisis.* An edited abridgement of the initial three chapters of *Paradise Poisoned* in Sinhala and Tamil, with a new introduction. Sinhala edition with the assistance of Mr. Ranjit Perera, translator and editor. Tamil edition with the assistance of Mr. K. Ponnambalam, translator and editor. Colombo: Social Science Association of Sri Lanka, 2011..

*Lessons from the War III: Years of Promise and Hope.* Edited abridgement of *Paradise Poisoned* Chapters dealing with the term in office of Prime Minister S.W.R.D. Bandaranaike, with a new introduction. Sinhala edition with the assistance of Mr. Ranjit Perera, translator and editor. Tamil edition with the assistance of Mr. K. Ponnambalam, translator and editor. Colombo: Social Science Association of Sri Lanka, 2011.

*Lessons from the War IV: Middle Path: Dudley Senanayake's Imperfect Governance Strategy.* Edited abridgment of *Paradise Poisoned* Chapters dealing with the Term in office of Prime Minister Dudley Senanayake. Sinhala edition with the assistance of Mr. Ranjit Perera, translator and editor. Tamil edition with the assistance of Mr. K. Ponnambalam, translator and editor. Colombo: Social Science Association of Sri Lanka, 2011.

## - BOOK CHAPTERS

"Competing Paradigms in Comparative Politics," with Robert T. Holt. In R.T. Holt and J.E. Turner, *The Methodology of Comparative Research*. (New York: The Free Press, 1970)

"Towards a Multilevel, Organization-Environment Paradigm for Urban Systems" (with Thomas Pelsoci). In Kan Chen, ed., *Urban Dynamics: Extensions and Reflections*, San Francisco: San Francisco Press, 1971

"The Multilevel Approach and the City: A Proposed Strategy for Investigation" (with Thomas Pelsoci). In M.D. Mesarovic and A. Reisman, eds., *Systems Approach and the City* (Amsterdam: North Holland, 1972)

"Hierarchical Models of Very Large Problems: Dilemmas, Prospects and an Agenda for the Future." In Clyde F. Martin, ed., *Large Scale Dynamic Systems* (NASA: 1975)

"La Ingenieria de Systemas y las Ciencias Politicas: Enfoques" and "La Ingenieria de Systemas y las Ciencias Politicas: Metodos Cuantitvos." In Miguel Cardenas, ed., *Aplicaciones de Analisis de Sistemas: Metodos, Modelos y Resultados* (Compania Editorial Continental, S.A., Mexico, 1976)

"Information Technology Serving Society Past, Present and Future." In R.L. Chartrand, ed., *Information Technology Serving Society* (New York: Pergamon, 1979)

"Global Modeling in the 1980s." In Jaques Richardson, ed., *Models of Reality: Shaping Thought and Action* (Mt. Airy, MD: Lomond Publications, 1983). First published in *Impact of Science on Society*. See below.

"Creating a Grading Index." in Earl Babbie, *The Practice of Social Research* (Belmont, CA: Wadsworth Publishing Co., 1983)

"Explaining Political Violence: A Dynamic Modeling Approach," in Harold Chestnut and Y.Y. Haimes, eds., *Contributions of Technology to International Conflict Resolution* (London: Pergamon, 1987)

"Messages from Global Models about an Interdependent World." In Anatoly Gromyko and Martin Hellman, eds., *Breakthrough: New Global Thinking* (New York: Walker & Co. 1988). Published simultaneously in Russian in the USSR.

"Measuring the Economic Dimensions of Sri Lanka's Ethnic Conflicts" (With S.W.R. deA. Samarasinghe). In S.W.R. deA. Samarasinghe and Reid Coughlin, *Economic Dimensions of Ethnic Conflict* (London: Francis Pinter, 1991).

"Peace Accords: Seeking Conflict Resolution in Deeply Divided Societies" (With Jianxin Wang). In Kingsley M. de Silva and S.W.R. deA. Samarasinghe, *Peace Accords and Ethnic Conflict* (London: Francis Pinter, 1993).

"The Seventh Blunder, Politics Without Principle: Lessons from Sri Lanka." Arun Gandhi, ed., *World Without Violence*. (New Delhi: Vikas, 1994)

"Democratization in South Asia: Theory, Experience and Issues" (with Kristine A. Herrmann). In Richardson and Samarasinghe, eds. *Democratization in South Asia: The First 50 Years*.

"Democratization in South Asia: Lessons and Prospects" (with Kristine A. Herrmann). In Richardson and Samarasinghe, eds. *Democratization in South Asia: The First 50 Years*. .

"Problems of a Small State in a Big World: How Global Economic Trends and Great Power Politics Have Impacted Sri Lanka." In *History and Politics – Millennial Perspectives: Essays in Honor of Kingsley M. de Silva* (1999). See above.

"Sri Lanka in 1988, Viewed Through American Eyes: Notes to Family and Friends." In Tissa Jayatilaka, ed. *Excursions and Explorations: Cultural Encounters Between Sri Lanka and the United States*. Wellampitiya, Sri Lanka: Printpak, Ltd. for the U.S. Fulbright Commission.

"Costs of Terrorism and Deadly Conflict – Who should care, and why should they care?" In Sridhar Khatri and Gert W. Kuek, *Terrorism in South Asia: Impact on Development and Democratic Process*. Delhi: Shipra Publications, in Collaboration with The Regional Centre for Strategic Studies and the Konrad Adenauer Stiftung, 2003, pp. 33-59.

"Violent Conflict and the First Half Decade of Open Economy Policies in Sri Lanka: A Revisionist View." In Deborah Winslow and Michael D. Woost, eds., *Economy, Culture and Civil War in Sri Lanka*.. University of Indiana Press, 2004, pp. 41-72.

“What U.S. Policy Makers Could – and Should – Learn from Sri Lanka’s Civil Wars.”. In K.M. deSilva, *Violent Conflict, Terrorism and Nation Building: National and International Responses in Sri Lanka and Other South Asian Countries*. Kandy, Sri Lanka: International Centre for Ethnic Studies, 2009, pp. 183-193.

#### **- REFEREED JOURNAL ARTICLES AND PROCEEDINGS**

"Regulation and Control of Urban Environments: A Multilevel Approach" (With Thomas Pelsoci). *IEEE Transactions on Systems Man and Cybernetics*, 1972. (The IEEE is the Institute of Electrical and Electronics Engineers.)

"A Model of Institutional Behavior as a Component of Regional Water Quality Management." *Proc. Fourth Annual Pittsburgh Conference on Modeling and Simulation*. (Pittsburgh: ISA, 1973)

"The Development of a Regional Systems Oriented Water Management Model: A Tool for Policy Analysis." *Water*, 1973 (New York: American Institute of Chemical Engineers, 1973)

"Political Science and Systems Engineering: Toward Symbiosis," *Proc. IEEE Conference on Systems Man and Cybernetics*, 1974.

"Scenario Analysis of the World Food Problem, 1975-2020 (With M.D. Mesarovic) *Proc. First IIASA Symposium on Global Modeling*. (Laxenberg, Austria: IIASA, 1974)

"Quantifying 'Soft Variables': Difficult but Essential." *Simulation IV*. (*Proc. Fourth Pittsburgh Conference on Modeling and Simulation*. Pittsburgh: Instrument Society of America, 1974)

"Scenario Analysis with an Integrated Model of the Lake Erie Basin." (With J.G. Klabbers and M.D. Mesarovic). *Simulation IV*.

"The Food Submodel of the Mesarovic-Pestel Project: Structure and Implementation." *Proc. Third IIASA Symposium on Global Modeling*. (Laxenberg, Austria: IIASA, 1974)

"Towards an Indicator System for the Relationship Between Population and Basic Human Needs." (With Eloise Forgette). *Proc. Fourth IIASA Symposium on Global Modeling*. (Laxenberg, Austria: IIASA, 1976)

"A Policy Analysis Tool for the Examination of Alternative Phosphorus Control Strategies in the Lake Erie Basin." *Simulation VIII*. (Pittsburgh: Instrument Society of America, 1977)

"Global Modeling 1. The Models." *Futures*, 10:5 (October, 1978)

"Global Modeling 2. Where to Now?" *Futures*, 10:6 (December, 1978. Anniversary Issue)

"The Satisfaction of Basic Needs Index: A Progress Report." In Gerhart Bruckmann, ed., *Input-Output Approaches to Global Modeling*. (*Proc. Fifth IIASA Symposium on Global Modeling*. London: Pergamon, 1979)

"Global Modeling in the 1980s." *Impact of Science on Society*, 31:4 (April, 1981)

"A Decade of Global Modeling." *Futures*, 14:4 (April, 1982)

"The State of Futures Research: Personal Reflections." *Futures*, 16:3 (August, 1984)

"The Resourceful Earth: Optimism and Confrontation." *Futures* , 17:3 (October, 1985).

"Violence and Repression: Neglected Factors in Development Planning." *Futures*, 19:6 (December, 1987).

"Global Modeling: A Retrospective." *Futures Research Quarterly*, 3:1 (December, 1987).

"Understanding Violent Conflict in Sri Lanka: How Theory Can Help." *Ethnic Studies Report*, January 1991.

"Ethnic Conflict and Economic Development: A Policy Oriented Analysis" (with Shinjinee Sen). *Ethnic Studies Report*, January 1997.

"The Improbable Resilience of Singapore. (With Elizabeth Ong Ling Lee). *Solutions*, September-October 2012.

#### **- INVITED ARTICLES AND MISCELLANEOUS**

"Towards a Multilevel System Framework for the Formulation of a National Materials Policy." (With M.D. Mesarovic) In John E. Brandl, ed., *Scarcity and Growth: Toward a National Materials Policy* (Minneapolis: School of Public Affairs: University of Minnesota and National Commission on Materials Policy, 1974)

"The Creation of a Graduate Program." *Information and Records Management*, 12:10 (October, 1978)

"Foresight for the United States and How We Can Help." Exerpted from *Towards Effective Foresight in the U.S. Government*. *Simulation*, 38:2 (1982)

"Telecommunications: Society's Nervous System." An Interview with Barbara Marx Hubbard and John Richardson Jr., *J.C. Penny Forum*, September, 1982.

"Global Models: Tools for Macro Decision Making." (With Donella Meadows and Gerhart Bruckmann.) *J.C. Penny Forum*, November, 1982.

"Les Modèles Mondiaux dans les Années, 1980." *Futurables*, 54:4 (April, 1982) Translation and adaptation of article which originally appeared in *Impact of Science on Society*

"A Decade of Global Modelling." *The Arab Alternative Futures Dossier 11*. (An adaptation of the article previously published in *Futures*. Adapted and included by request.)

"Developing Nation: A System Dynamics Model." *Proc.* 1985 International Conference of the System Dynamics Society.

"Sri Lanka and the Global Political Economy: Foreign Policy Perspectives. In Center for Strategic and International Studies, *Sri Lanka: Legacy and Prospects*. Washington, D.C.: CSIS, 1998. [Conference Proceedings]

"A Lifelong Commitment to Scholarly Excellence: Tribute to Kingsley de Silva." In *History and Politics – Millennial Perspectives: Essays in Honor of Kingsley M. de Silva* (1999).

"Why not a Government of National Unity?" *Island* [Sri Lanka's largest circulation English newspaper]. August 14, 1999.

"Why Should Proponents of Sustainable Development Care about Deadly Conflict and Terrorism?" *Balaton Bulletin* (The newsletter of the International Network of Resource Information Centers). Fall, 2002, pp. 1-11. Revised version of the opening plenary address to the September 2002 meeting of The Balaton Group – INRIC).

"10 Imperatives for Peace." *The Futurist* 40:6 (November-December 2006).

"Rethinking Deadly Conflict and Terrorism." (Coauthored with Mark Hamilton). *Harvard International Review* 28:3 (July 2006).

"Ten Imperatives to Prevent Deadly Conflict and Terrorism: A Systemic View." (Co-authored with Mark Hamilton). *Peace and Conflict Monitor*. December 2005.

"The Iraq Intervention: What US Policy Makers Might have Learned from Sri Lanka. *Gleanings* (A Publication of the Ecumenical Institute for Study and Dialogue, Colombo, Sri Lanka) XXV: 3&4 (July-December 2006). A Sinhala version was published in a companion publication by the Economical Institute.

## - MAJOR RESEARCH REPORTS

*Applications of Automata Theory to the Study of Political Development* (With Robert T. Holt) (Minneapolis: Center for Comparative Studies in Technological Development and Social Change, 1969).

*A Policy Oriented Model of the Eutrophication Problem in the Lake Erie Ecosystem*. (With Jan G. Klabbbers) SRC Report 74- 1. Systems Research Center, Case Western Reserve University, 1974.

In a survey of more than two hundred works on eutrophication, by the consulting firm of Dalton, Dalton, Little and Newport, the Richardson-Klabbbers model was judged to be definitive. It was used by the firm as the basis for a major report of the National Commission on Water Quality. The model was so complete and well documented, that they were able to replicate it entirely and accurately from published material (a practically unheard of event in the field of computer simulation.) Klabbbers and I were both working in Europe at the time and learned of this significant policy application at a later date.

Systems Engineering and Political Science: Toward Symbiosis. *Systems Research Center Report --*

*Documentation of the Food Submodel of the Multilevel Hierarchical World Model.* (With Patricia Strauch and Martha Schaefer. Systems Research Center, Case Western Reserve University, 1975).

This telephone-book length report was the basis for a major technical assistance project in global planning under the auspices of the Plan and Budget Organization, Imperial Government of Iran. A high point of the project was a three hour on line computer demonstration for the entire cabinet, an unique event in history, as far as I know. Unfortunately, Ayatollah Ruhollah Khomeini was not included in our models.

"Demonstration and Use of the Food Submodel as a Planning and Decision Making Tool. In Eduard Pestel and M.D. Mesarovic, eds., *Report of a Demonstration of the Mesarovic-Pestel World Model for Members of the Parliament of the European Community.*, 1974.

*International Collaboration at IIASA: Survey and Appraisal.* Washington, D.C., Division of International Programs: The National Science Foundation) 1978.

*Towards Effective Foresight in the U.S. Government* (1980)

This widely circulated and frequently quoted report developed policy recommendations from the *Global 2000* study for the Department of State and Council on Environmental Quality. It later was reprinted by the General Accounting Office. The report was apparently responsible for establishing the concept "Foresight" as the way of describing the long range planning activities of the U.S. Government.

*Democratization and Ethnic Conflict: Results and Conclusions from Four Recent Studies.*

This invited paper, prepared for the workshop of Democratization and Ethnic Conflict organized by the Panel on Issues in Democratization, Commission on Behavioral and Social Sciences and Education, National Research Council. October, 1992. Copies of the paper were subsequently circulated to most AID missions with democratization initiatives in progress.

*Higher Education Opportunities in the Republic of Maldives: First Impressions from a Two Day Exploratory Visit.* Report to the Ministry of Higher Education and the Executive Office of the President, Republic of Maldives. (This was a product of two days of consultations with senior government officials, including two ministers and the President's Chief of Staff, plus additional research subsequent to my visit.) July 2006.

## **- MODELS DEVELOPED**

Developing a computer simulation model which leads to published work is a major research task, quite apart from the publications which are subsequently based upon it. A typical model may involve as many as three to five hundred equations, a thousand variables and require the estimation of five hundred or more parameters. The models listed here, with the exception of the last have all provided the basis for major publications. In the case of the Lake Erie and Global Models, the impact has been significant.

*Satisfaction Mechanism for the Urban Dynamics Model* (With T. Pelsoci). January, 1972. This was the first demonstrated synthesis of System Dynamics and Multilevel Hierarchical Systems Analysis

*Institutional Regional Regulatory Model (IRRM)*. 1973.

This was a multilevel/System Dynamics model of policy processes related to water pollution abatement in the Lake Erie Basin. It build upon the work cited above and was one of the early attempts to incorporate "soft variables" in a policy oriented System Dynamics model using the multilevel approach. Presentations of the model were made to a number of professional groups in the fields of systems engineering/control theory/cybernetics.

*Lake Erie Eutrophication Policy Analysis Model* (With J.G. Klabbers). 1974.

The basis for a major national-level policy study, as noted above.

*Integrated Lake Erie Eutrophication Policy Analysis Model*. 1976.

Preliminary version in collaboration with M.D. Mesarovic, J.G. Klabbers, and R. Prober. Final version, 1976. This model was the principal output of a \$500,000 study of eutrophication funded by the Rockefeller Foundation.

*Integrated Food Policy Analysis Model I*. (With M.D. Mesarovic and W.P. Clapham.) 1974.

This was one of the two major submodels of the original Mesarovic-Pestel world model. The model became the basis for *Mankind at the Turning Point* (by M.D. Mesarovic and E. Pestel, the second report to the Club of Rome.)

*Integrated Food Policy Analysis Model II* (With M.D. Mesarovic and Patricia Strauch). 1975.

This model became a core component of interactive computer work with high level officials throughout the world.

*Developing Nation*. 1986-7.

The purpose of this model is to provide answers to the question, "how can development, oriented toward ending hunger and meeting basic human needs occur without violence or violent repression?"

*Developing Nation: Argentina*. 1987. Application of the Generic Developing Nation Model to Argentina

*Developing Nation: Mexico*. Application of the Generic Developing Nation Model to Mexico. 1987.

*Demographic Transition*. 1990. Simple model of the demographic transition, in several versions. Used primarily for teaching.

## **- OTHER CONTRIBUTIONS**

*The Ending Hunger Briefing* (with Roy Prosterman, Donella Meadows, Ted Howard, Joan Holmes and the staff of The Hunger Project)

*The Ending Hunger Briefing* was a four hour presentation on the facts of global hunger and on what individuals can do to end it. More than 300 grass roots briefing leaders were trained to deliver the briefing. It has been translated into French and German and Japanese. More than 300,000 people have completed the briefing.

## **PAPERS, LECTURES, PERFORMANCES AND PRESENTATIONS**

I regularly give papers, lectures and presentations . Presentations have been given both in the United States and numerous foreign countries. Among fairly recent highlights are:

- "Sri Lanka and the Global Political Economy: Foreign Policy Perspectives." Invited paper given at the Conference on "Sri Lanka: Legacy and Prospects." Center for Strategic and International Studies, Washington, D.C., March, 1998.
- "Resilience and Crises of Democracy and Governance in Non Western Settings: Fifty Years of South Asian Experience. Seminar sponsored jointly by the SID, Washington Chapter Asia Roundtable and the Tulane University Institute for International Development. Washington DC. December, 1998.
- "Fifty Years of Democratization in South Asia" and "Why not a Government of National Unity." Lectures given to students in the General Studies Program of the Bandaranaike International Diplomatic Training Institute. Colombo, August, 1999.
- Participated in a workshop on "Governance and Corruption in South Asia" organized by the International Center for Ethnic Studies, Colombo, July, 1999.
- Conducted workshop on curriculum reform in Sri Lankan higher education for faculty members of the Department of Political Science and Modern History, University of Colombo. Colombo, August, 1999.
- Along with CSIS South Asian Studies Director and Retired Ambassador Teresita Schaffer, lectured to members of the Serendipity Group ("Friends of Sri Lanka") on "Recent Developments in Sri Lanka." Washington, D.C., December, 1999.
- Invited participant, U.S. Institute of Peace Roundtable Discussion on "Prospects for Negotiations in the Sri Lankan Crisis: Implications for U.S. Foreign Policy." Washington D.C., June 2000
- Invited participant, workshop to evaluate a computer simulation game of economic development and peacebuilding in Bosnia. U.S. Institute of Peace and Institute for Defense Analysis, August 2000.
- Violent Conflict and the First Half-Decade of Open Economy Policies in Sri Lanka..” Workshop on Economy on Ethnic Conflict, American Institute of Sri Lankan Studies, August 2000.
- Invited participant, workshop on human rights in South Asia organized by the International Center for Ethnic Studies, Colombo, Sri Lanka. Participated in drafting "The Colombo Declaration," a prototype document for the South Asian Association for Regional Cooperation. Colombo, November 2000.
- Delivered a brief address at the memorial service for Dr. Donella Meadows. April 2001.
- "International Relations: Less than a 'discipline' – and more." Inaugural lecture, International Relations Program entering cohort for 2001. University of Colombo, Sri Lanka.. June 2001.

- “The US Presidential Election of 2000: A View from Washington.” Seminar Series, International Centre for Ethnic Studies, Colombo, Sri Lanka. June 2001.
- Delivered two additional lectures to graduate students in the International Relations Program, University of Colombo. September 2001.
- “Development and Deadly Conflict: Insights from a Systems Model.” Invited lecture delivered to senior officers of the Punjab Police and Indian Administrative Service, Chandigarh, Punjab, India. September 2001.
- “Development and Democratization in South Asia.” Invited lecture delivered to the Professional Staff of the Centre for Research in Rural and Industrial Development, Chandigarh, Punjab, India. September 2001.
- “Environment, Development and Deadly-Conflict Linkages: The New Problematique.” Commemorative address on the occasion of the retirement of Professor Gerhart Bruckmann, MP, Institute of Statistics, University of Vienna, Austria. April 2002.
- Preventing Deadly Conflict: Policy Recommendations for Politicians and Practitioners. International Centre for Ethnic Studies Seminar Series. Colombo, August 2002.
- Development and Deadly Conflict: A Systems Model and Policy Recommendations. Plenary Address, International Network of Resource Information Centers (Thee Balaton Group), Csopak, Hungary, September 2002.
- “From Development Failure to Deadly Conflict in Sri Lanka: Lessons for Politicians and Practitioners.” University of New Hampshire International Seminar Series, Durham, New Hampshire, November 2002.
- “Costs of Terrorism and Deadly Conflict – Who should care, and why should they care?” Regional Center for Strategic Studies, Workshop on Terrorism in South Asia: Impact on Development and Democratic Process. Kathmandu, Nepal. November 2002. To be published in a forthcoming edited volume. (See above).
- “Development-Deadly Conflict Linkages: What Can India’s Leaders Learn from Sri Lanka’s Civil Wars.” Address to a special seminar organized by TARU International. New Delhi, India. November 2002.
- Concluding plenary speaker, International Centre for Ethnic Studies Workshop on Electoral Processes in South Asia: Statutory Framework and Institutional Arrangements, October 2003.
- Invited participant, National Academy of Public Administration and Woodrow Wilson Center Workshop on “Partition as a Peace Building Strategy in Conflict Torn Regions.” Washington D.C. November 2003.
- “Conflict, Resources and Sustainable Development: Possible Linkages.” Invited Plenary address to the Annual Meeting of the International Network of Resource Information Centers (The Balaton Group), Szpalma, Hungary, September 2004.
- Gave lectures, presentations and a Congressional briefing in the US and in Sri Lanka related to the release of *Paradise Poisoned*. 2005 and 2006.
- “What U.S. Policy Makers Could – and Should Learn from Sri Lanka’s Civil Wars” – Conference on Violent Conflict, Terrorism and Nation-Building: National and International Responses in Sri Lanka and other South Asian Countries. Kandy, Sri Lanka, August 2007. This is to be published in an edited volume comprising papers from the Conference.
- “Everything is different, everything is the Same – A retrospective on President Premadasa’s early years in power” Occasional Seminar Series. International Center For Ethnic Studies, Colombo, Sri Lanka. July 2007.
- “American’s Primary Elections.” Occasional Seminar Series, International Center for Ethnic Studies, Colombo, Sri Lanka. June 2008.

- “Happy the Calmed Live,” Address given on the occasion of the launching of the Tamil and Sinhala translations of *Lessons of the War: Consequences and Failures*. Colombo: Social Science Association of Sri Lanka. September 27, 2008
- “Opportunities for Peace and Reconciliation in Sri Lanka: Drawing Lessons from Recent History so as not to be Doomed to Repeat It.” Presentation given at a high level meeting on post conflict reconciliation organized by the US Department of State and the US Institute of Peace. Washington DC, August 31 2009
- “Applying System Dynamics to the Problem of Conflict Development Linkages: Lessons from 40 Years of System Dynamics Modeling Practice.” Invited presentation to students in the System Dynamics Module, Lee Kuan Yew School of Public Policy. October 2, 2009.
- “A Political solution to Sri Lanka’s Ethnic Conflict – Lessons from More Tranquil Times.” Paper presented at the South Asian Conference, Madison Wisconsin, October 25, 2009
- Gave a briefing to senior staff of the National Security Coordination Centre, Office of the Prime Minister, Singapore, on possible applications of System Dynamics Modeling to Singapore’s long-term development planning.
- “Crafting System Dynamics Models and Making them Accessible: Lessons from 40 years of Experience ” Opening Plenary Address, International System Dynamics Conference, Washington D.C. 2011.
- “Crafting System Dynamics Models and Making them Accessible: Lessons from 40 Years of Practice. Opening Plenary Address, Balaton Group Annual Meeting, Balatonsemmes Hungary, 2012.

#### **RADIO AND TELEVISION AND OTHER MEDIA (Recent)**

Was interviewed by reporters from Youth Asia Television on the Sri Lanka peace process. Colombo. August, 2002.

Was interviewed by reporters from several newspapers in the Punjab at an informal briefing organized by the Punjab Police. August 2002. I don’t know how this material was subsequently used.

My talk at the International Center for Ethnic Studies was quoted extensively in several Sri Lankan Newspapers. August 2002.

My work on development-deadly conflict linkages was the subject of front page articles, based on interviews, in both the Kathmandu Post and the Kathmandu Times. November, 2002.

Gave an informal press briefing to reporters of three Indian newspapers on development-deadly conflict linkages. Chandigarh, Punjab, August, 2002.

Gave a series of four interviews to Sri Lanka’s Arts and Entertainment Television Network (which is also the local CNN outlet) on the political economy of conflict. June 2004.

Interviewed by several Sri Lankan newspapers on subjects related to the release of Paradise Poisoned. Typically my fairly frequent lectures in Sri Lanka are also covered by most Sri Lankan newspapers. *Paradise Poisoned* has been reviewed in most Sri Lankan newspapers and in at least two Indian Newspapers.

Interviewed on the CNN morning and evening news related to the assassination of Sri Lankan Foreign Minister Lakshman Kadirgamar. August 2005.

Faculty Resident Program was featured by the Style Channel in a “My Celebrity Home” makeover of the Anderson Hall first floor lounge. The program appeared five times or more, several in prime time. December, 2006.

AU’s Faculty Resident Program was the cover story in *American*, the alumni magazine of American University, Fall 2006 number.

Brian Westley’s Story for the Associated Press, “College Dorms House More Than Students.” Which featured AU’s Faculty in Residence Program appeared in the York Times as well as more than 200 other newspapers and other web outlets. On one day after its release, it was the most widely read story on Yahoo News.

Talk on America’s Presidential Primary Election was rebroadcast almost in its entirety by Sri Lanka’s Independent Television Network.

The Launch of *Lessons of the War: Consequences and Failures* was covered by Sinhala and English language services of Rupavahini, Sri Lanka’s national television network and by Sri Lanka’s Independent Television Network. September 2008, Subsequent launch events also received media coverage.

Interviewed on an hour-long ‘talk show’ on Illinois Public radio and by several newspapers regarding the military defeat of the Liberation Tigers of Tamil Eelam . May 2009.

## **CONSULTING AND ADVISING**

I have engaged in extensive consulting activities in the United States and, to a lesser degree, abroad, in the private, governmental and not-for-profit sectors. Included among my clients have been the U.S. Department of State, the Council on Environmental Quality, the General Accounting Office, the National Science Foundation, the National Research Council, the Hunger Project, the General Motors Corporation, AT&T, Battelle National Laboratories, the Al Diriyah Institute, the Parliament of the European Community, the Ministry of Planning, Government of Egypt and the Plan and Budget Organization, Imperial Government of Iran. Between 1992 and 2000 I limited my consulting activities in order to focus primarily on teaching, research and directing the School of International Service Doctoral Studies Program.. More recently, however, I have been doing some pro-bono consulting work on curriculum and institutional development matters for the University of Colombo, Sri Lanka. I have played a minor role the in ongoing peace negotiations between the Sri Lankan government and the Liberation Tigers of Tamil Eelam through informal meetings with the Norwegian mediators and some Sri Lanka government officials.

Most recently I was invited to consult on higher education opportunities in the Republic of Maldives by Senior Government officials and business leaders.

I have served as an unpaid consultant to the Staff Development Centre, University of Colombo of Matters relating to faculty development and distance education. I participated as an external advisor/contributor to the newly established Ph.D. Program of the University of Colombo.

I have participated in off-the record-discussions of post-conflict reconciliation and development in Sri Lanka.